

Service Manual

Model :

[Hi-Fi]

DV-6T834N/DV-6T834B
DV-6T844N/DV-6T844B
DV-6T955B/DV-6T975B
DV-6T985B/DV-6T985M
DV-6T999B/DV-6T999N
DCSB-87D/DCSB-87N
DV1030/DV1040
DV2150/SC104
DVR2000/DVD825

[Mono]

DV-6T534N/DV-6T534B
DV-6T544N/DV-6T544B
DV-6T2005/DVD820

Caution

: In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center.

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SPECIFICATIONS

Power	AC 120V, 60Hz (AC220V, 50/60Hz Chile only)		
Consumed electricity	24W (supplementary 4W)		
Weight	4.6kg		
Dimension (WxHxD)	435mm x 93mm x 255mm		
Operative temperature	+5j C~35j C		
Installation condition	Horizontal / Relative humidity under 80%		
Received channels	VHF: 2-13 CH / UHF: 14-69 CH / Cable: 1-125		
Signal type	NTSC COLOR		
Antenna Input/output	UV-mixed: 75% unbalanced		
VIDEO input	1.0 Vp-p unbalanced, RCA JACK		
AUDIO input	-8.8dBm, RCA JACK		
VHF output	3 or 4 CH		
VIDEO output (common use of DVD and VCR)	VIDEO output terminal, 1.0 Vp-p unbalanced, RCA JACK		
VIDEO output (DVD only)	S-VIDEO output (75% In load Y: 1.0Vp-p, C:0.286Vp-p)		
	COMPONENT output (75% In load Y: 1.0Vp-p, Pb:0.7Vp-p, Pr:0.7Vp-p)		
AUDIO output (common use of DVD and VCR)	Audio output terminal (2 kinds): -8.8dBm(VCR), 2.0Vms(DVD), RCA JACK		
AUDIO output (DVD only)	Analogue AUDIO output (2 CH): 2.0Vrms		
	Digital audio output (COAXIAL)		
Playable tape	Very high dense tapes with VHS marks		
Playable disc	DVD, VIDEO-CD, CD (12mm), CD (8mm), MP3, CD-R, CD-RW		
Tape speed	SP: 33.35mm/s, SLP: 11.12mm/s		
Playtime	SP: 2hrs, SLP: 6hrs (use of T-120 tape)		
Clock display	12 hrs AM/PM		
Time Recording	8 programs a year		
VIDEO S/N (VCR)	Over 45dB(Standard recording)		
Resolution	VCR	Over 220 lines (Standard recording)	
	DVD	Over 500 lines (DVD Disc PLAY)	
AUDIO (VCR)	Over 69dB (Hi-Fi), over 40dB (Mono)		
AUDIO (DVD)	90dB		
AUDIO dynamic range	90dB		

DVD Audio output standards

Output	Disc type		
	DVD	VIDEO-CD	CD
Analogue Audio output	48/96KHz sampling	44.1KHz sampling	44.1KHz sampling
Digital Audio output	48KHz sampling	44.1KHz sampling	44.1KHz sampling

ADVANTAGES OF THIS PRODUCT

- DVD, VCD, CD, CD-R(MP3), CD-RW, VHS playback function
- Watching DVD for recording broadcast
- Integrated remote control (VCR, DVD)
- VISS function
- Multiplex sound playback/record
- High Sound Quality of 6 head Hi-Fi (Hi-Fi Model only)
- One Touch timer Recording (OTR)
- Progressive scan
- MP3 file playback function (CD-R disc having records of MP3 files)
- GUI (Graphical User Interface) OSD (On Screen Display)
By using the [DISPLAY] button on the remote control, information on the DVD/VCD/CD player and disc, can be displayed on the TV screen.
- Screensaver function (DVD)
- High bit / high sampling with 27MHz / 10bit video encoder
This unit has 27MHz / 10bit capability, that enables the faithful reproduction of fine images.
- High bit / high sampling with 96KHz / 24bit audio D/A converter
With this 96KHz / 24bit linear Pulse Code Modulated signals, which constitute the highest specifications in the DVD standards, you can enjoy faithfully reproduced sound in all of its various modes. To support 96KHz sampling / 24bit sound, the shaping noise of this multi-level digital sigma type of D/A converter is kept flat up to 44KHz, thus preventing the important audio signals from being affected.
- Coaxial digital output (PCM, Dolby Digital, dts)
You can enjoy high-level digital audio by connecting with amp embedded with Dolby Digital / dts decoder.
- Built-in Dolby Digital decoder (DVD)
- Analog audio 2-channels output for DOWNMIX (x1)
- Composite video out (x1)
- Slow Forward Playback
- Fast Forward / Reverse playback
- Search of title, chapter, and time in DVD disc, and search of track and time in VCD and CD
- Various TV aspect (DVD)
4:3 for Pan and Scan, 4:3 for Letter Box, and 16:9 for Wide
- Repeat playback (title and chapter for DVD, track and disc for VCD/CD)
- Repeat a defined period from A to B (DVD)
- Selective Play (DVD/VCD/CD)
You can select and play the desired title / chapter of DVD and track of Video CD
- Various languages OSD (On Screen Display) function (DVD)
You can select and display OSD among various languages. (English, French, Spanish)
- Parental Lock function (DVD)
This function can prevent playback of software that may be unsuitable for children.
- Multi Audio function (DVD)
The audio soundtrack can be heard in up to 8 languages. In the case of SVCD or CVD, it depends on the disc. (The number of audio languages depends on the software.)
- Multi Subtitle function (DVD)
The subtitle can be seen in up to 32 languages. In the case of SVCD or CVD, it depends on the disc. (The number of subtitle languages depends on the software.)
- Multi Angle function (DVD)
This function allows you to choose the viewing angle of scenes which were shot from a number of different angles. (The number of angles depends on the software.)
- Screen zoom function (DVD/VCD)

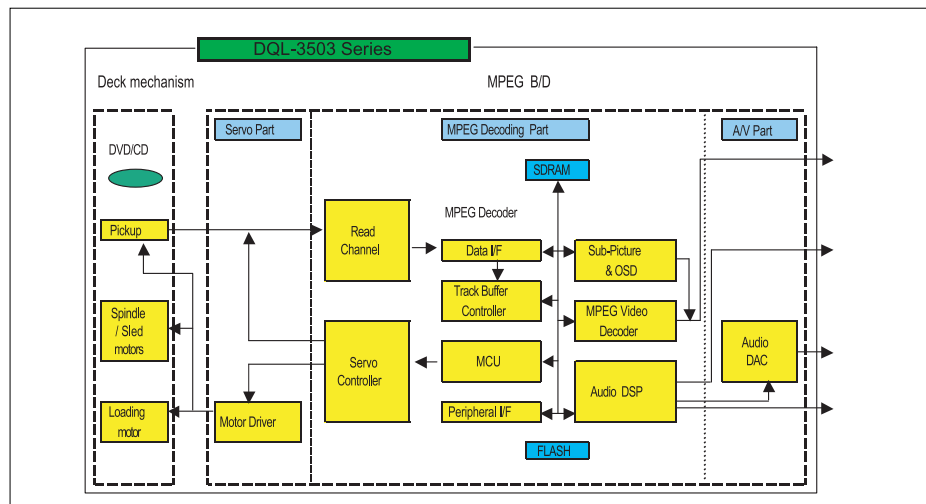
DVD Module(DQL-3503Series)

1. Summary

DVD One Board consists of: Loader part that reads and transmits audio and video data saved at Optic Discs (DVD, CD-DA, VCD, CD-R) to MPEG Decoder part; MPEG Decoder part, which, by decoding and encoding data received from the Loader, produces analog signals; and u-Com that controls the overall system including the loader and MPEG decoder.

2. How Does it Operate

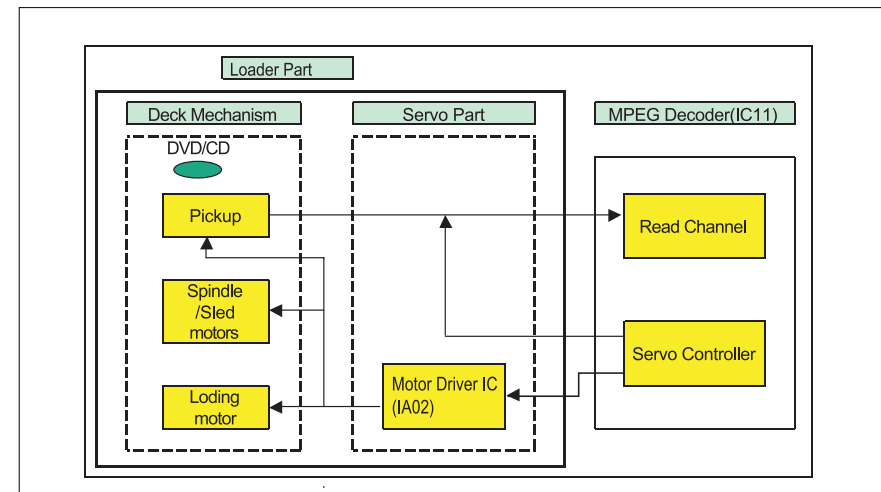
Insert the power cord and then power transmitted to each IC, and the SET will be the STANDBY status which requires the least power for input the front panel key, input the remocon key, extinguished the LED. Once the Power On key is entered, u-Com recognizes it and initiates each chipset, performs sequential algorithms such as determining whether the disc is in or not, and if in, what type of disc is loaded. Through this process, it can read disc data before transmitting it to the MPEG Decoder. The MPEG Decoder will then decode and encode such data before generating the final analog audio and video signal outputs.



DVD-MODULE(DQL- 3503 Series)Block Diagram

3. Loader Part

The loader which read the data of audio/video from optic disc and transfer them to MPEG decoder can be divided into Deck total DVD assay(in a short term, Mecha) and Servo. Mecha mounts with the optical pick-up which allows reading the signal of a disc using laser beam and makes it operate and consists of the deck mechanism which allows loading a disc and reading the data. Servo is a sort of circuit which allows operating the loader and recovering the data and consists of Motor Drive IC operating the spindle, the sled, the loading motor.



Loader Block Diagram

1) Motor Drive IC: IP5954(IC12)

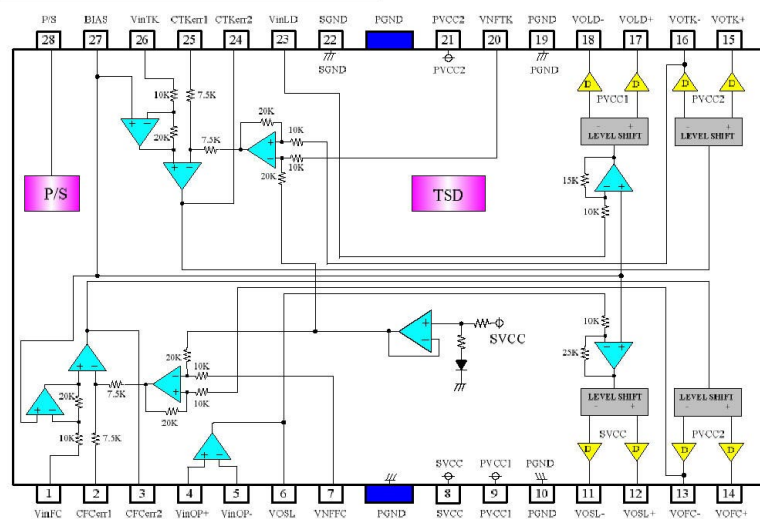
DESCRIPTIONS

IP5954A is a 4-CH motor driver for CDP/VCDP/DVDP systems. It is composed of 2-CH BTL driver with one input opamp and 2-CH BTL driver with current mode feedback.

FEATURES

- 2-CH BTL driver
- 2-CH BTL driver with current mode feedback
- Built-in TSD (thermal shut down) circuit.
- Built-in power save circuit
- Built-in input opamp for SLED channel
- Operating supply voltage (4.5V~13.2V).

BLOCK DIAGRAM



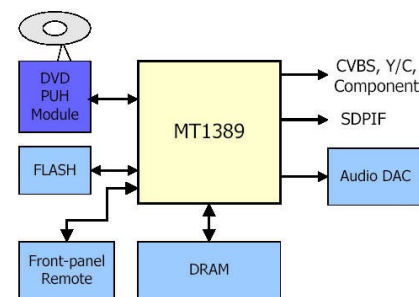
MPEG Decoder

1) DVD servo and MPEG-2 Decoder : MT1389D(IC11)

MediaTek MT1389D is a cost-effective DVD system-on-chip (SOC) which incorporates advanced features like high quality TV encoder and state-of-art de-interlace processing. The MT1389D enables consumer electronics manufacturers to build high quality, feature-rich DVD players, portable DVD players or any other home entertainment audio/video devices.

World-Leading Technology: Based on MediaTek's world-leading DVD player SOC architecture, the MT1389D is the 3rd generation of the DVD player SOC. It integrates the MediaTek 2nd generation front-end analog RF amplifier and the Servo/MPEG AV decoder.

Incredible Audio/Video Quality: The progressive scan of the MT1389D utilized advanced motion-adaptive de-interlace algorithm to achieve the best movie/video playback. It also supports a 3:2 pull down option to give the best film effect. The 108MHz/12-bit video DAC provides users a whole new viewing experience.



DVD Player System Diagram Using MT1389D

Key Features

- RF/Servo/MPEG Integration
- High Performance Audio Processor
- Progressive Scan
- 108MHz/12-bit, 4 CH TV Encoder

Applications

- Standard DVD Players
- Portable DVD Players
- TV/DVD Combo Systems

2) Flash Memory : MX29LV800TTC-70 (IC16)

This stores every program required for the operation of DVD player and holds the data of OSD languages and LOGO and send them upon request from u-COM. This allows the update of firmware by CD-R/RW. For DVD module, 8MBit Flash Memory on 512K x 16bit basis is used.

3) SDRAM : ADS4616A4A-6(IC15)

This sends and receives data with MPEG decoder and performs the video signal processing. Every video signal output from DVD player is once stored in SDRAM and then encoded in MPEG decoder and finally output into the analog signal.

SDRAM applied to DVD module has the capacity of 16MBit(512K x 16bit x 2Bank), sends and receives data with MPEG decoder by 16 bit. SDRAM system clock is 115.32Mhz.

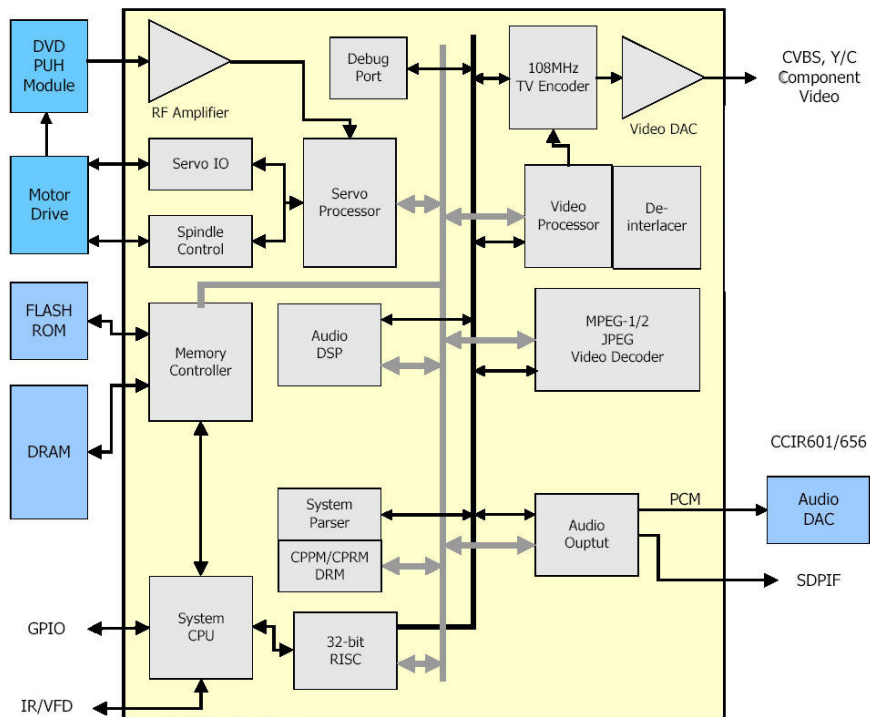
4) RESET IC : BD5229G-TR (IC18)

This is a hardware reset circuit which is automatically reset after powering DVD module. In reset status, it reads the firmware information from flash memory and move it to the data field of SDRAM and then the system is initialized. As for BD5229G-TR, it gets the status of High after 200ms reset active time from the moment of power on.

5) EEPROM : 24WC08J or AT24C08N (IC17)

This stores the information related to setup of DVD menus. This can read and write the optional information such as OSD, voice, language option after function for subtitle etc, the aspect or method of TV display, video option like display function and audio, screen saver, parental function through the I²C transmission method.

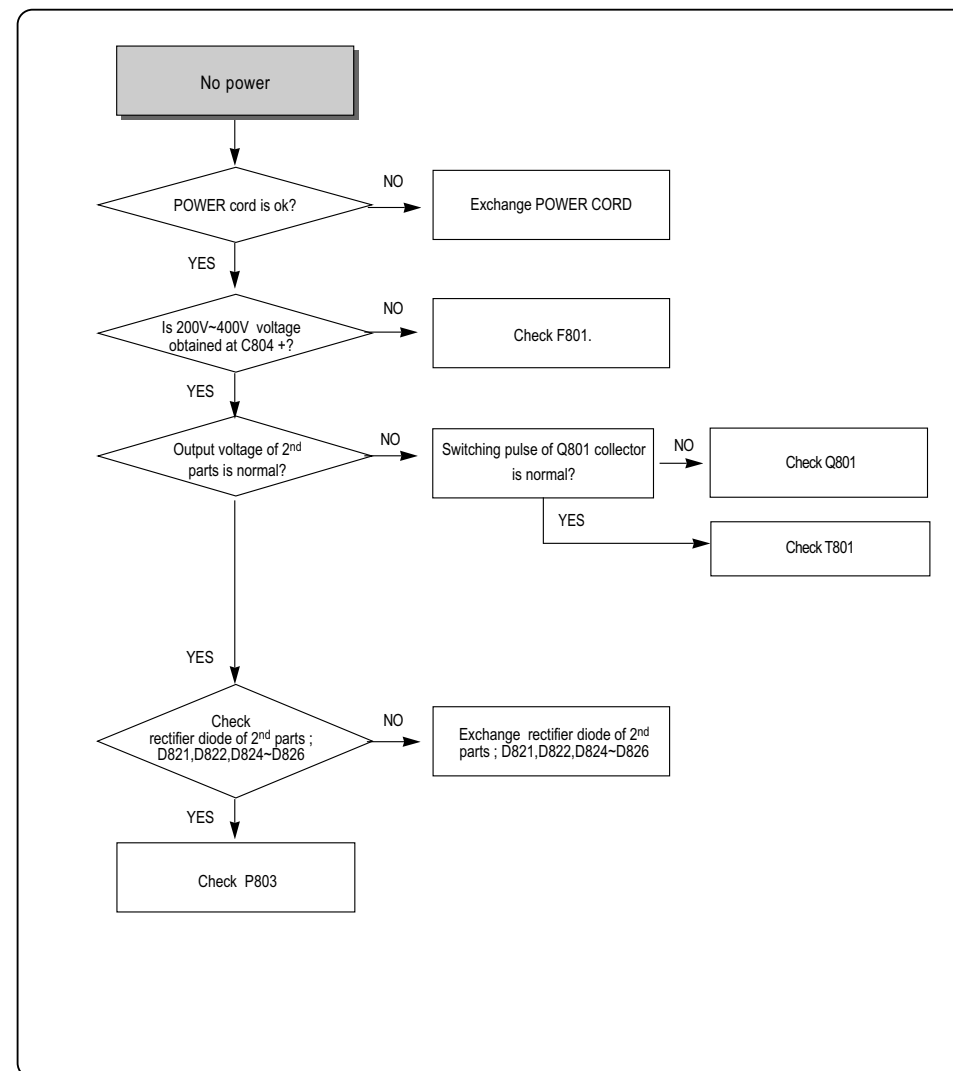
Functional Block Diagram



1. POWER CIRCUIT

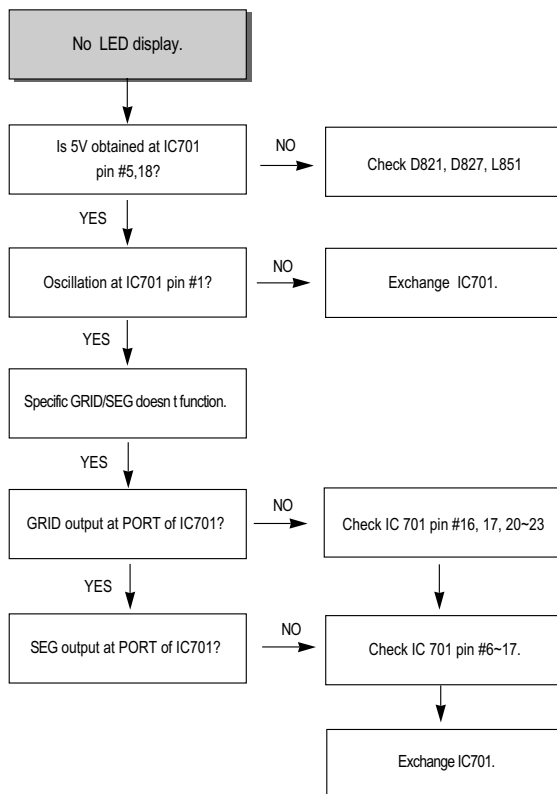
✓ CAUTION

You must use insulated transformer during the first part test of POWER circuit.

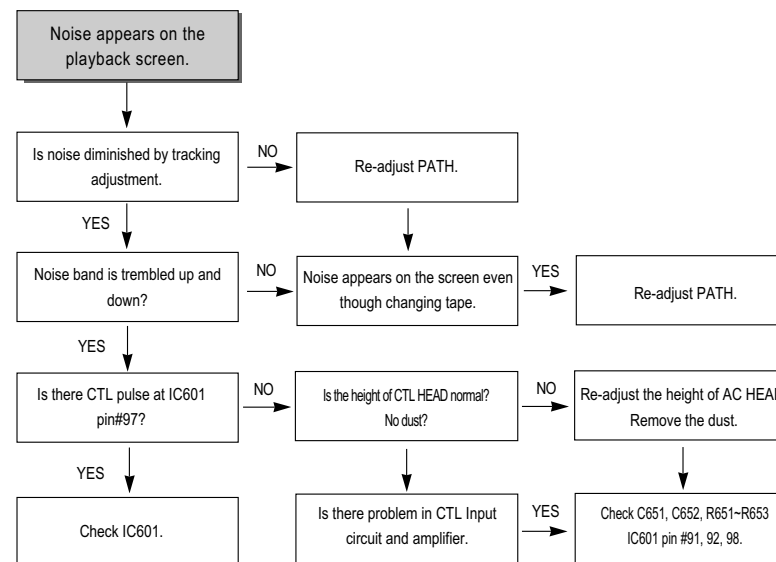


2. SYSTEM CIRCUIT

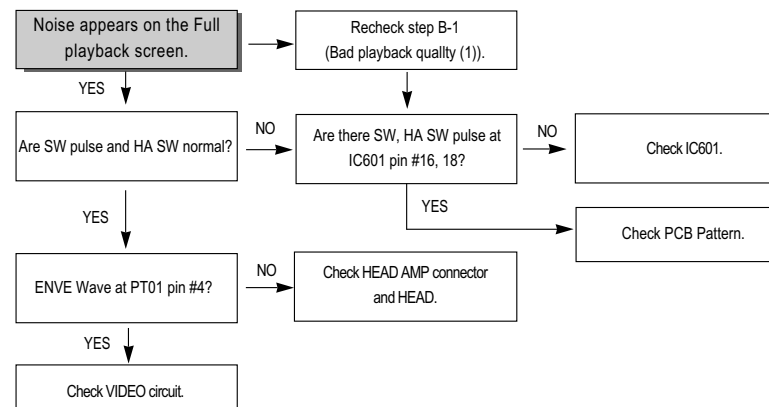
A. LED DISPLAY



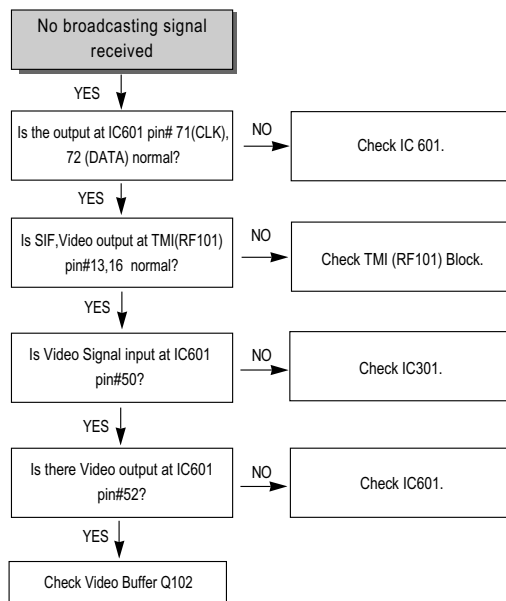
B-1. Bad playback quality (1)



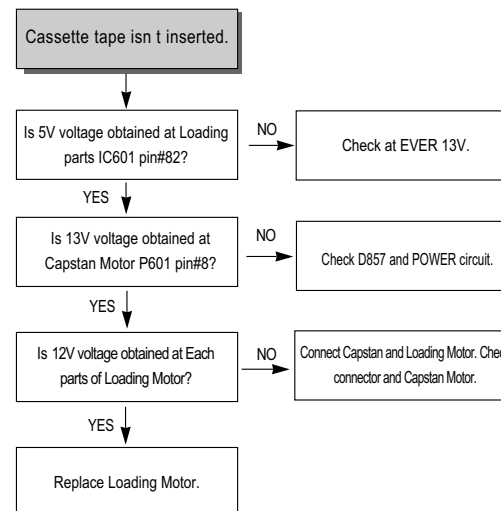
B-2. Bad playback quality (2)



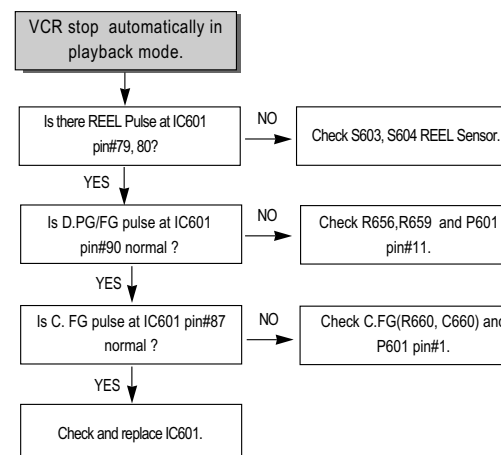
C. No broadcasting signal received



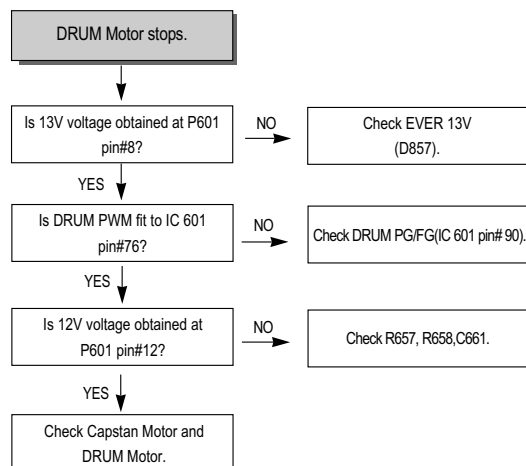
D. No CASSETTE Loading



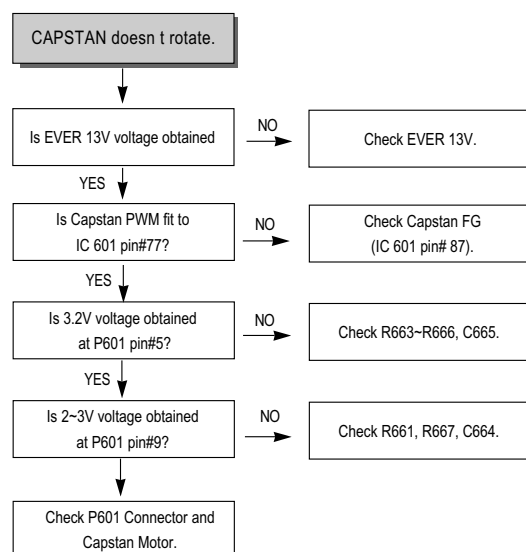
E. AUTO STOP in Playback mode



F. DRUM Motor stops

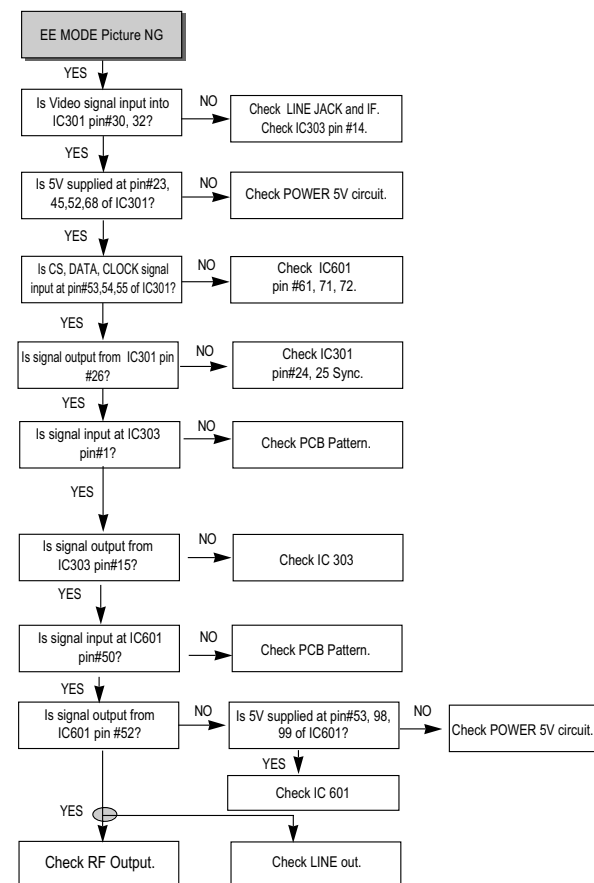


G. CAPSTAN doesn't rotate

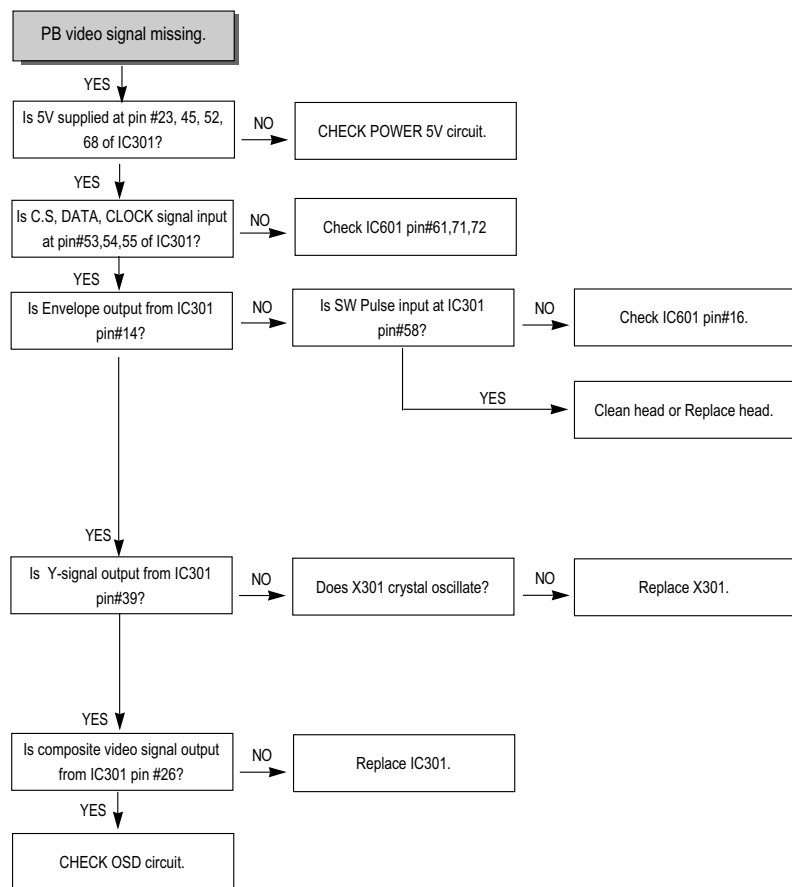


3. VIDEO circuit

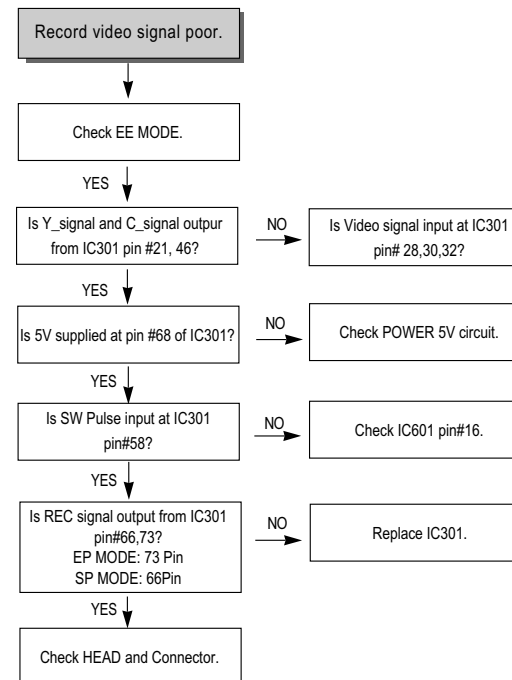
A. EE screen doesn't appear



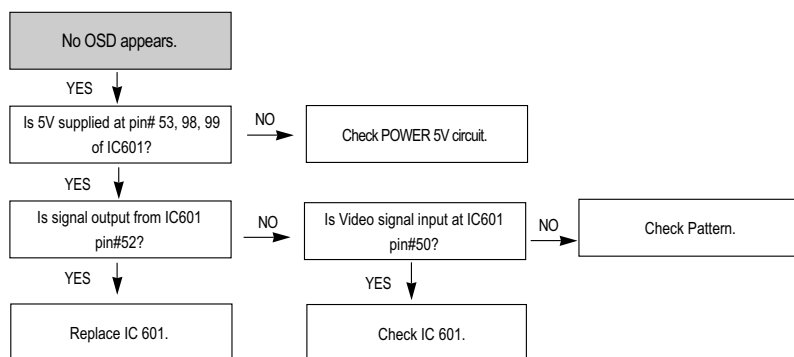
B. Playback picture doesn't appear



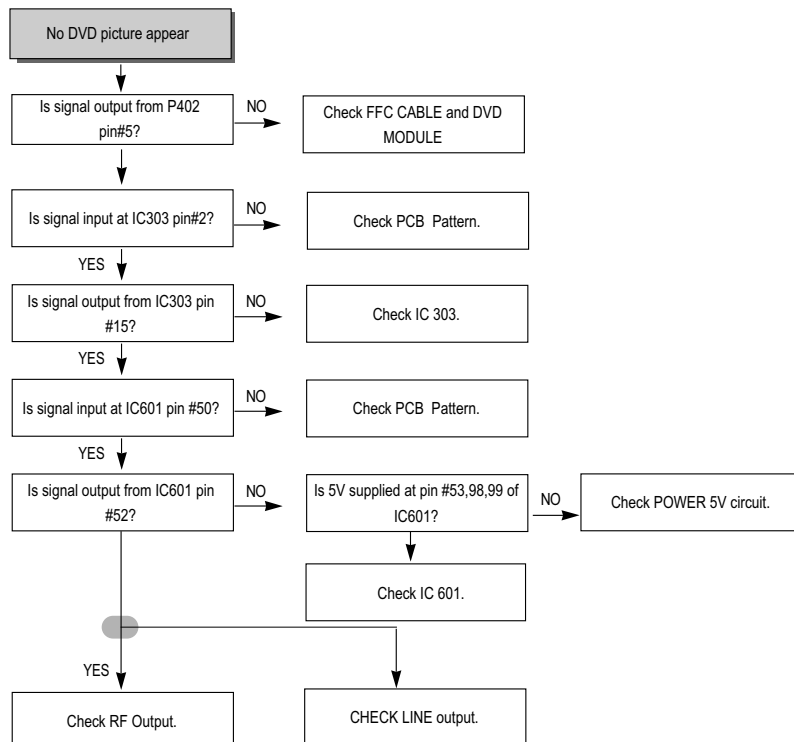
C. No recording



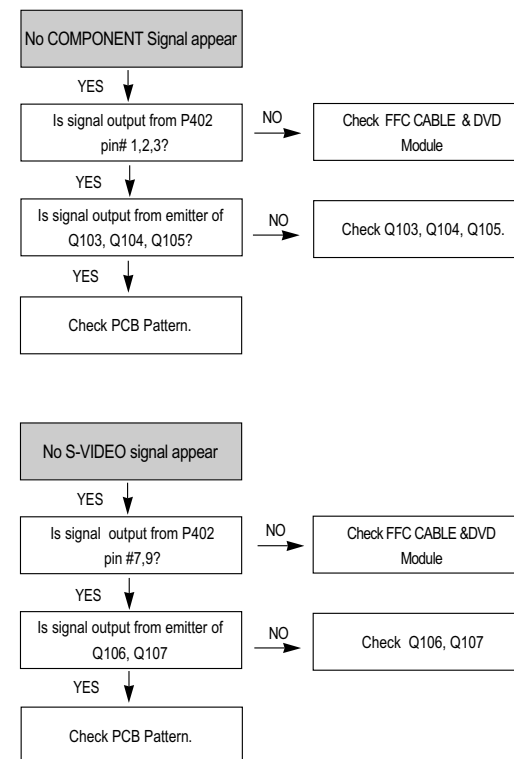
D. No OSD(On Screen Display) appears



E. DVD Picture (COMPOSITE) doesn't appear



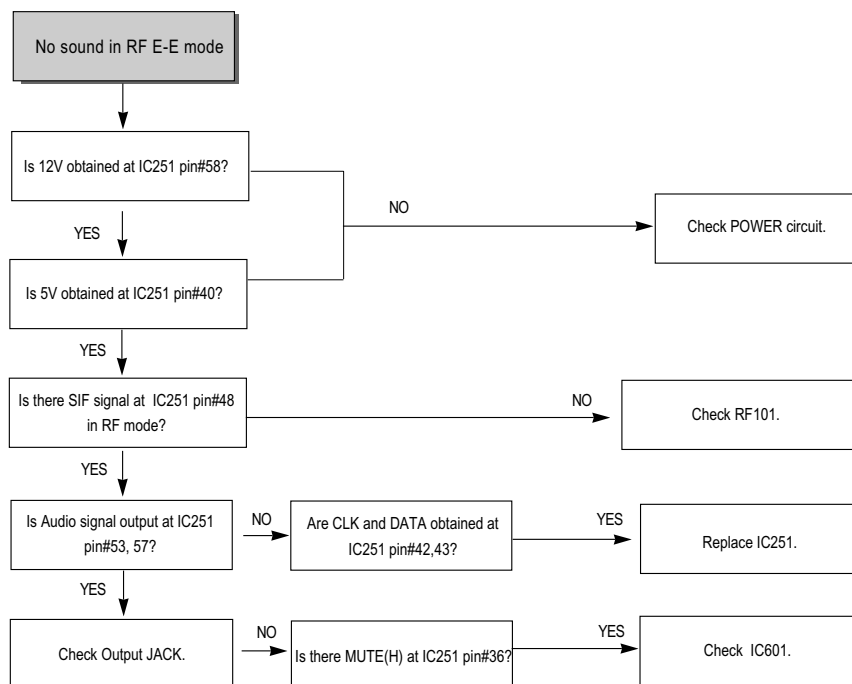
F. DVD picture (COMPONENT & S-VIDEO) doesn't appear



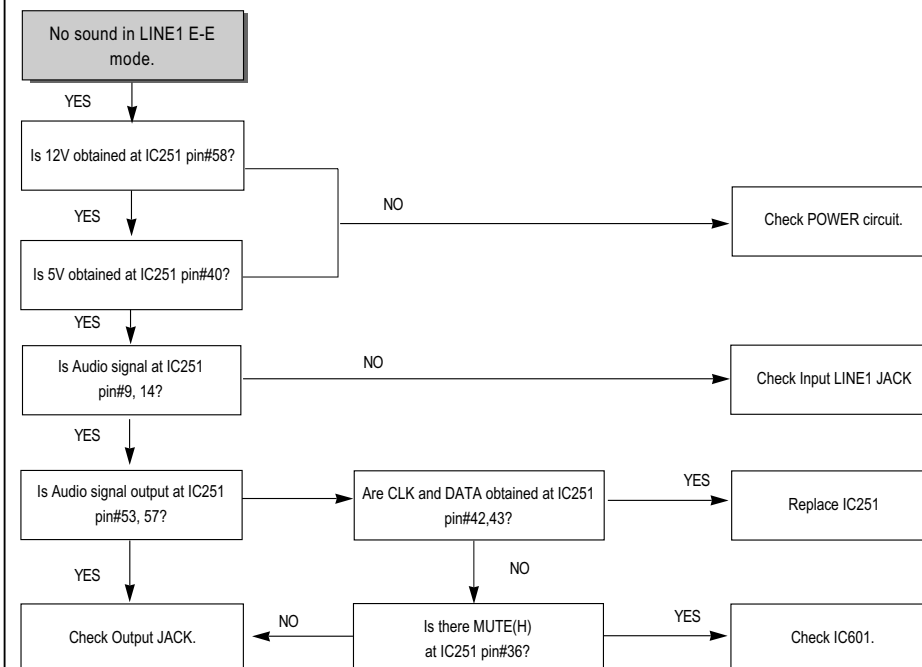
4. AUDIO (Hi-Fi MODEL)

A. No sound in E-E mode

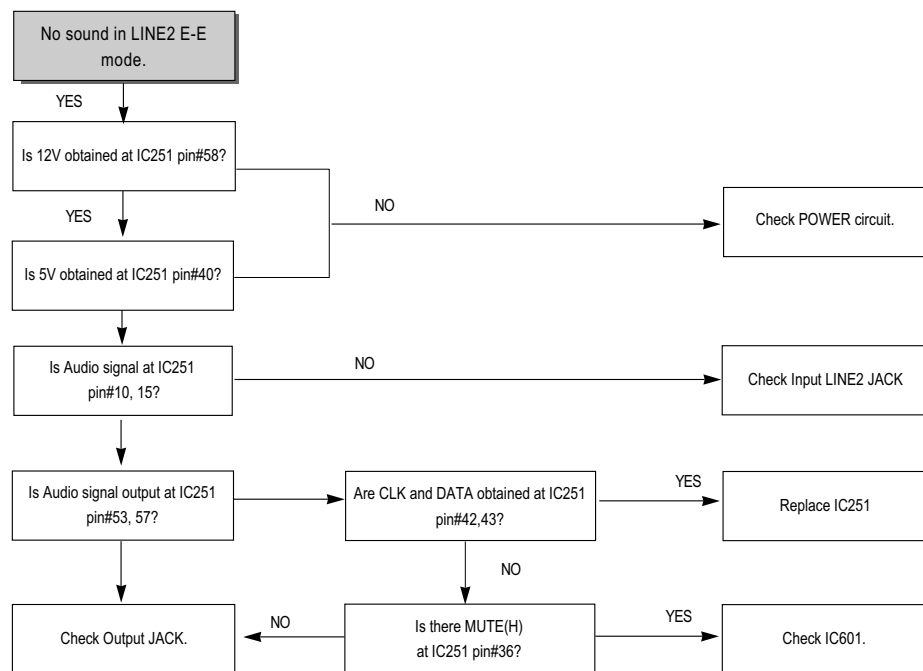
A. a. RF E-E



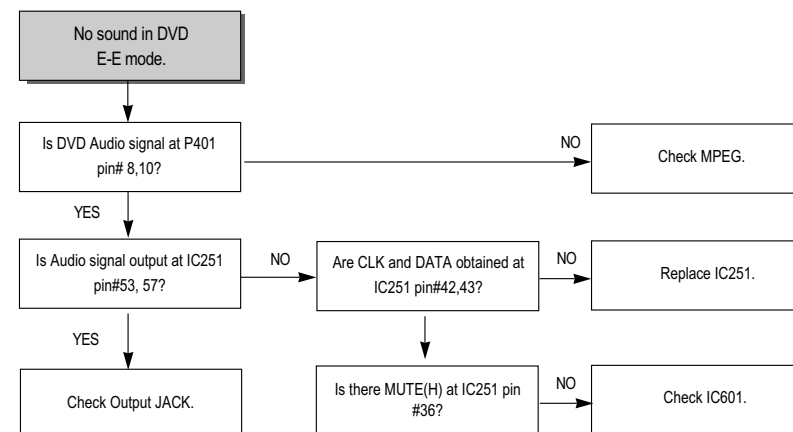
A. b. LINE1 E-E



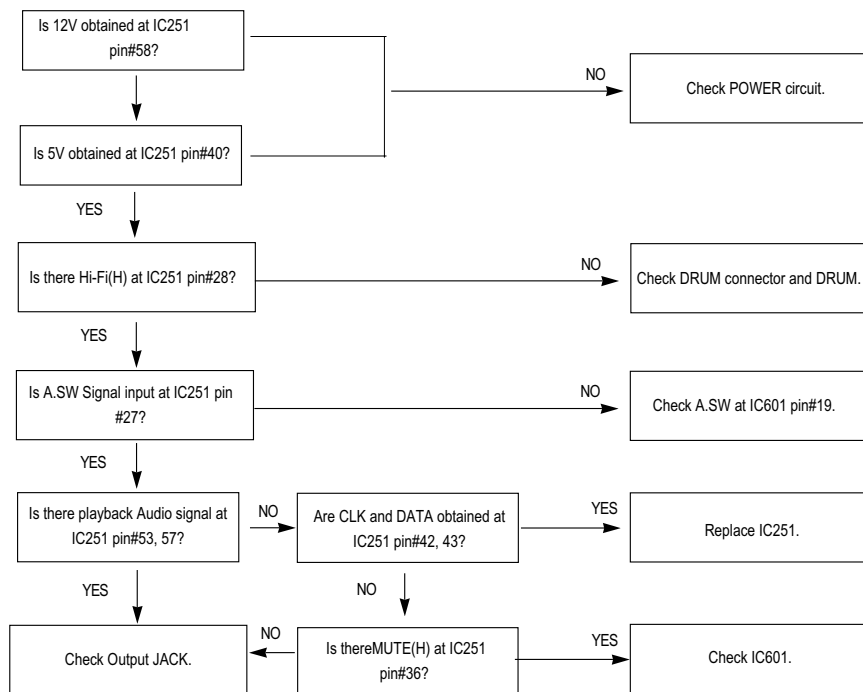
A. c. LINE2 E-E



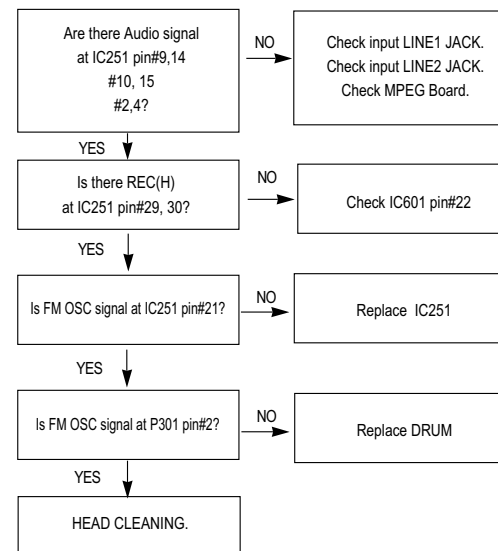
A. d. DVD E-E



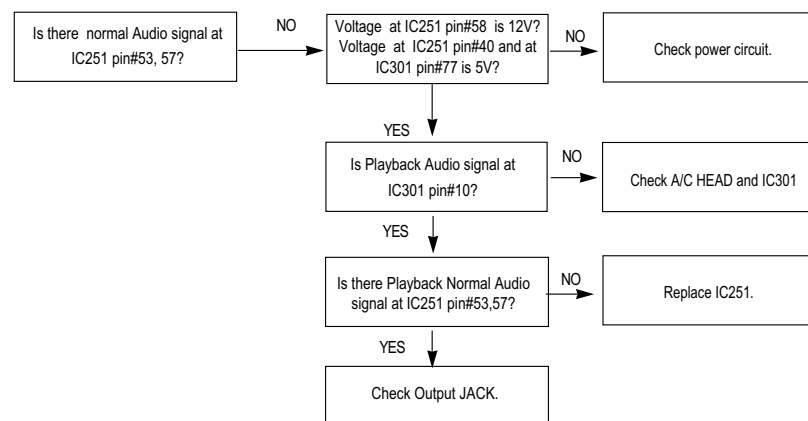
B. No Hi-Fi playback audio (PLAY MODE)



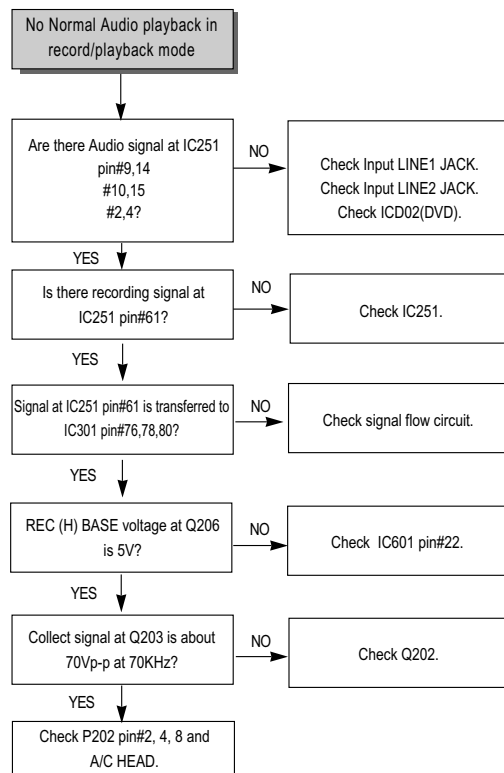
C. No Hi-Fi playback in record/playback mode(REC MODE)



D. No NORMAL AUDIO playback (PLAY MODE)



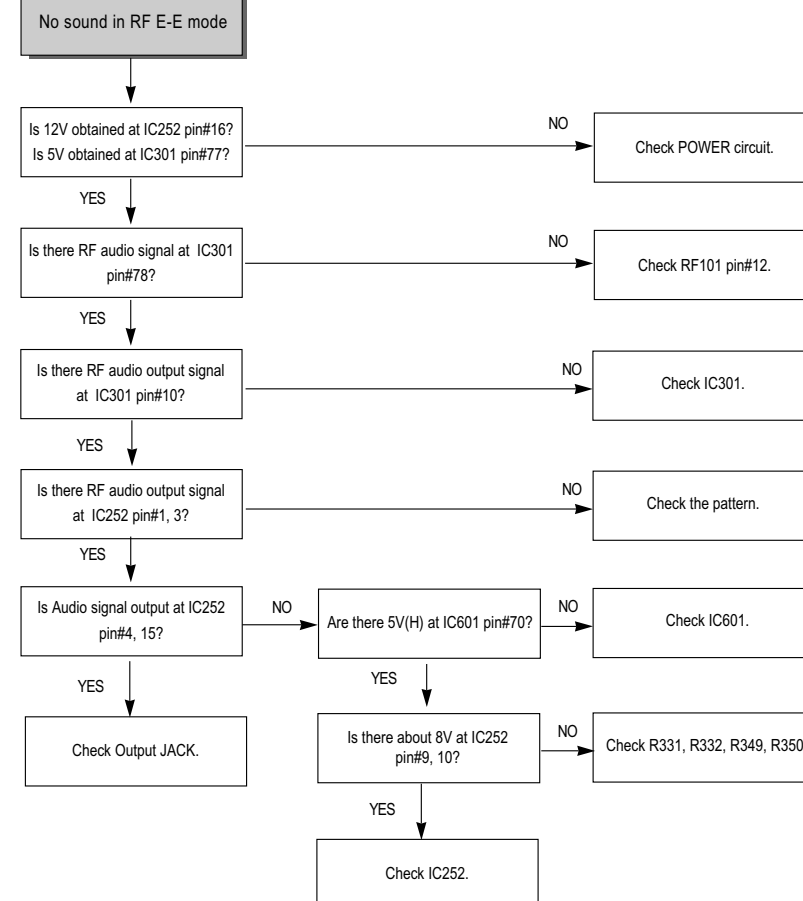
E. No NORMAL AUDIO playback in record/playback mode(Check in REC mode)



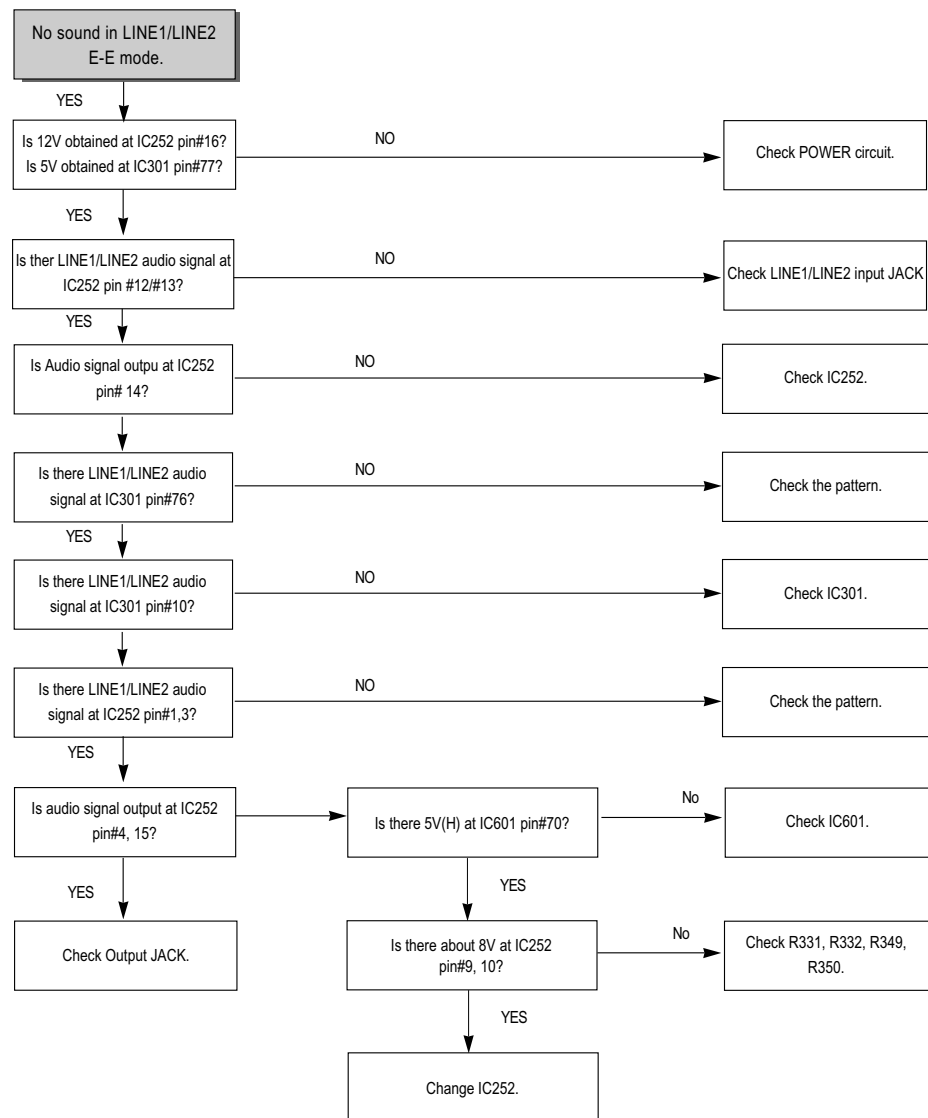
5. AUDIO (Mono MODEL)

A. No sound in E-E mode

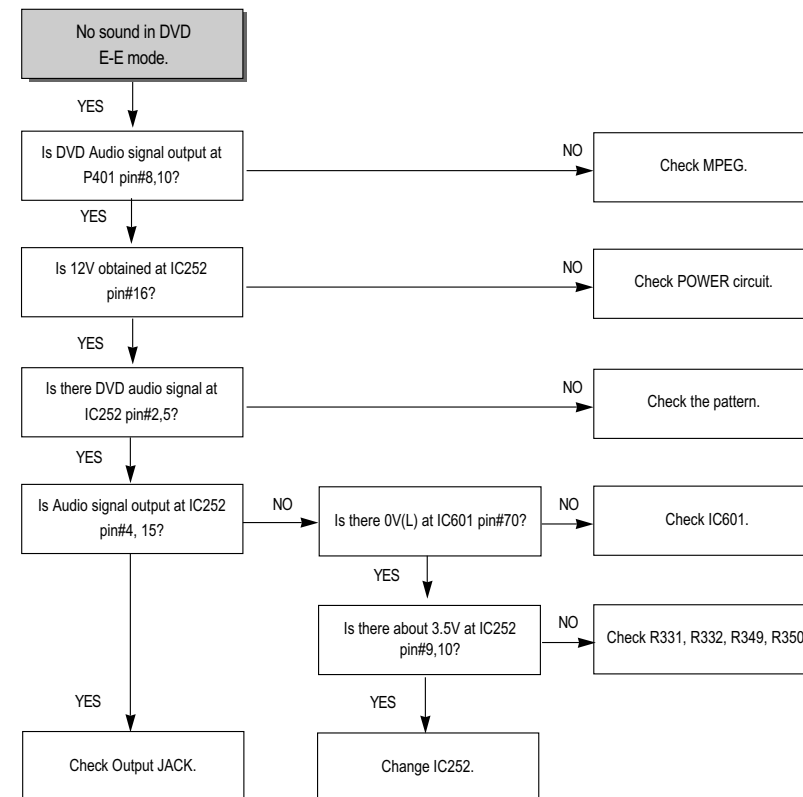
A.a. RF E-E



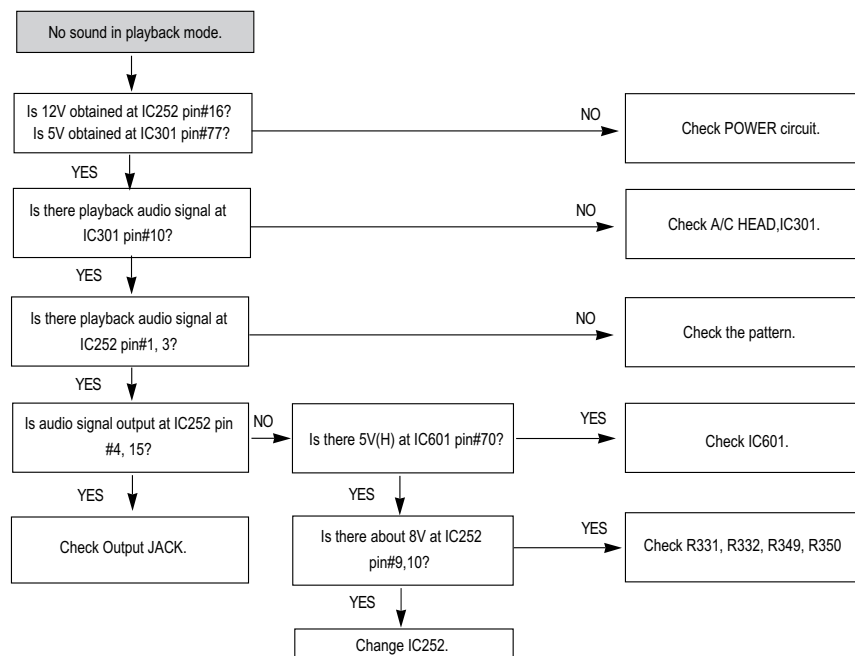
A. b. LINE1/LINE2 E-E



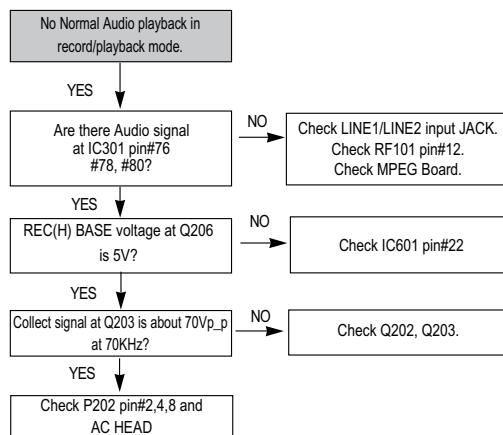
A. c. DVD E-E



B. No NORMAL AUDIO playback.(PLAYBACK MODE.)

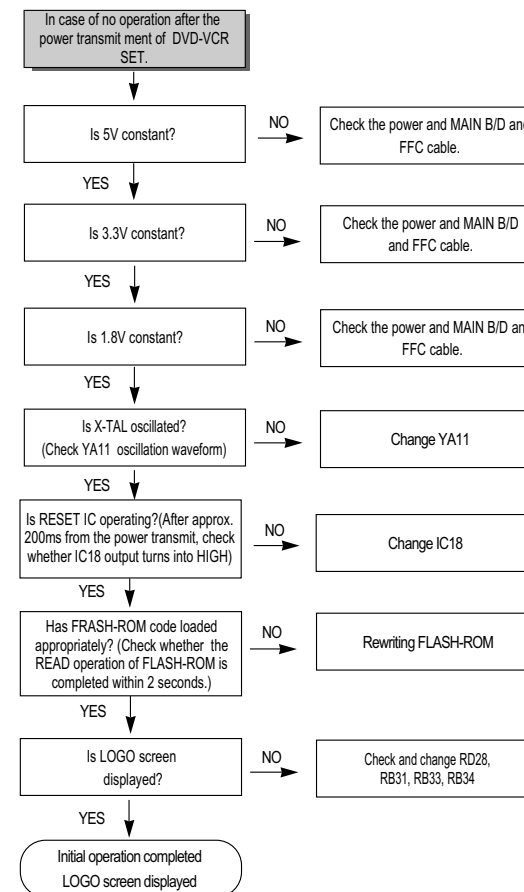


C. No NORMAL AUDIO playback in record/playback mode(Check in REC MODE)



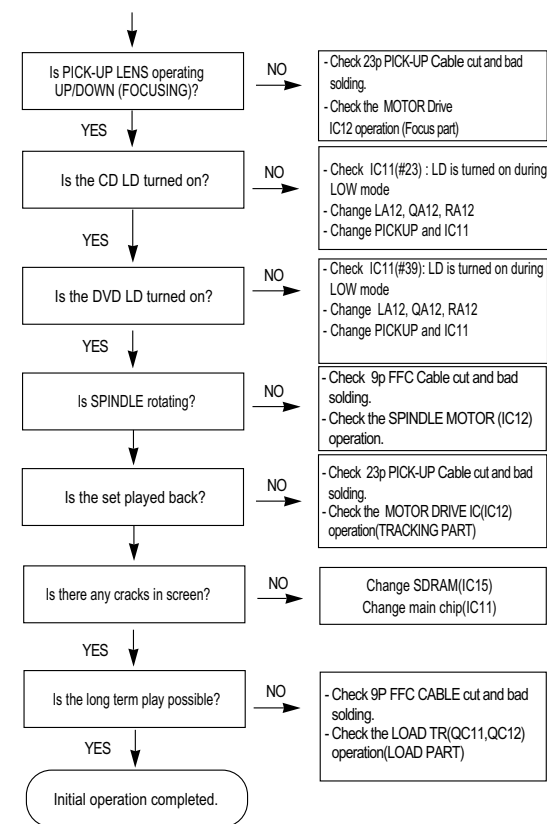
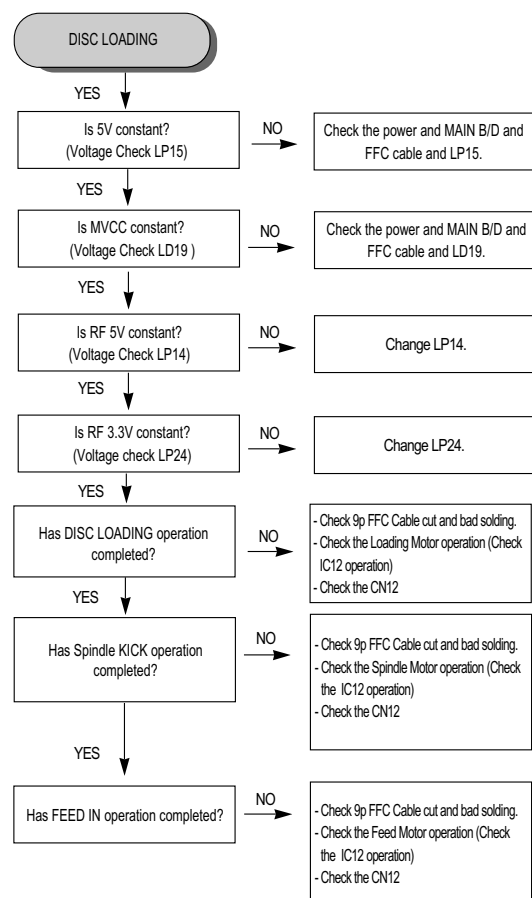
6. MPEG B/D

A. DEBUGGING

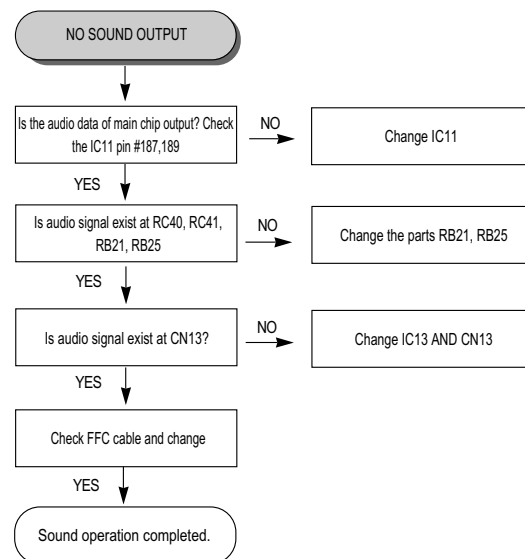


B. BAD PLAYBACK

In case of bad recognition of disc and the abnormal screen while playing after LOGO screen displayed on TV monitor and setting initialized.

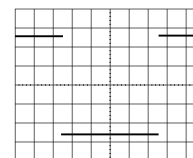


C. NO AUDIO OUTPUT

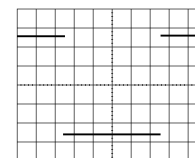


WAVEFORMS

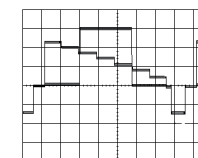
1. VIDEO



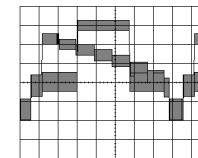
① (IC301-57) 5Vp-p
1V/2msec/cm
REC



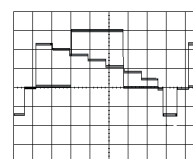
① (IC301-57) 5Vp-p
1V/2msec/cm
PLAY



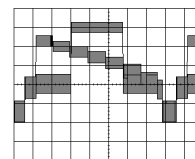
② (IC301-20) 520mVp-p
200mV/5usec/cm
REC



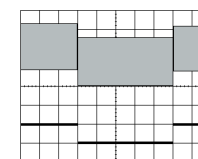
② (IC301-20) 520mVp-p
200mV/5usec/cm
PLAY



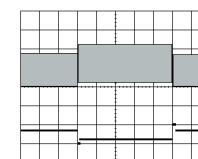
③ (IC301-22) 520mVp-p
100mV/5usec/cm
REC



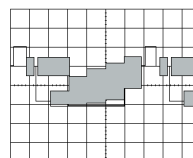
③ (IC301-22) 520mVp-p
100mV/5usec/cm
PLAY



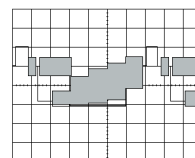
④ (IC301-14) 600mVp-p
200mV/2msec/cm
PLAY(SPI) VIDEO SW TRIG



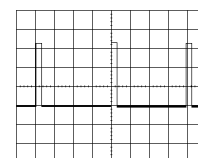
④ (IC301-14) 350mVp-p
200mV/2msec/cm
PLAY(EP) VIDEO SW TRIG



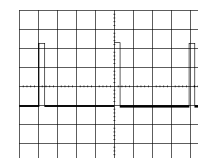
⑤ (IC301-36) 300mVp-p
100mV/5usec/cm
REC



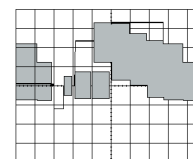
⑤ (IC301-36) 300mVp-p
100mV/5usec/cm
PLAY



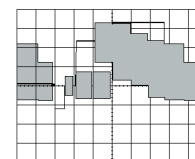
⑥ (IC301-25) 4.6Vp-p
2V/10usec/cm
REC/PLAY



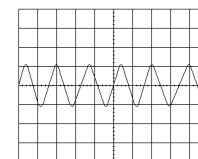
⑥ (IC301-25) 4.6Vp-p
2V/10usec/cm
PICTURE SEARCH



⑦ (IC301-26) 2.2Vp-p
500mV/5usec/cm
REC



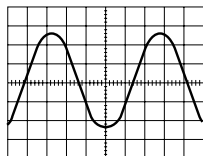
⑦ (IC301-26) 2.2Vp-p
500mV/5usec/cm
PLAY



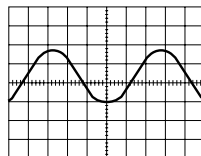
⑧ (IC301-49) 450mVp-p
200mV/0.1usec/cm

2. AUDIO

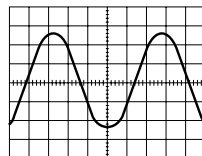
2-1 AUDIO(Normal)



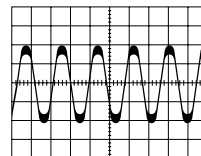
⑨ (IC301-76) 100mVp-p
20mV/0.5msec/cm
REC



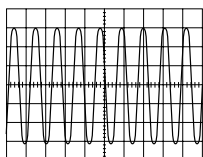
⑩ (IC301-10) 1.5Vp-p
0.5V/0.5msec/cm
REC



⑪ (IC301-9) 2.3Vp-p
0.5V/0.5msec/cm
REC

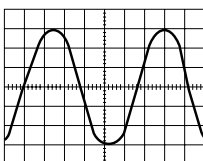


⑫ (IC301-2) 120mVp-p
50mV/0.5msec/cm
PLAY

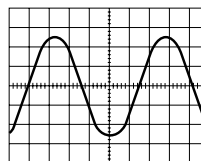


⑬ (P201-2) 75Vp-p
10V/20μsec/cm
REC

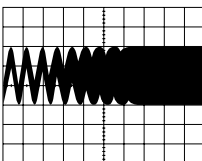
2-2 AUDIO(Hi-Fi)



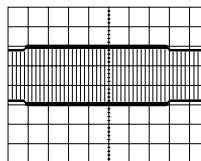
⑭ (IC251-9) 80mVp-p
20mV/0.5msec
EE/REC/PLAY



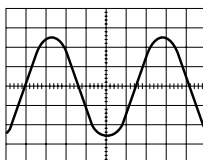
⑮ (IC251-19) 200mVp-p
50mV/0.5msec
EE/REC



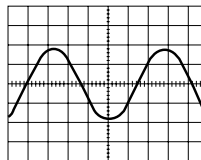
⑯ (IC251-21) 1.4Vp-p
0.5V/1msec
REC



⑰ (IC251-29) 600mVp-p
0.2V/2msec
PLAY

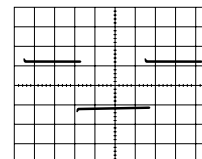


⑱ (IC251-32) 200mVp-p
50mV/0.5msec
EE/REC

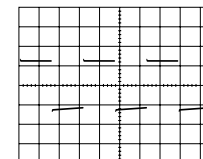


⑲ (IC251-57) 1.4Vp-p
0.5V/0.5msec
EE/REC

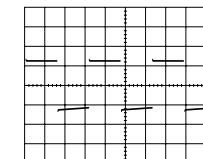
3. SERVO/SYSCON



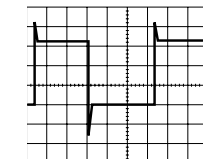
⑳ (IC601-18) 5Vp-p
2V/5msec/cm
REC/PLAY



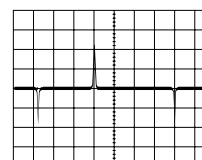
㉑ (IC601-77) 5Vp-p
2V/5μsec/cm
REC/PLAY



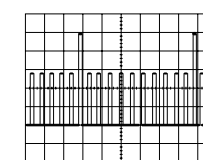
㉒ (IC601-76) 5Vp-p
2V/5μsec/cm
REC/PLAY



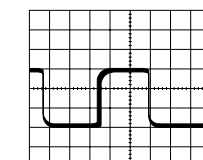
㉓ (IC601-94) 3Vp-p
1V/5msec/cm
REC



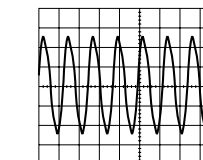
㉔ (IC601-97) 4.4Vp-p
1V/5msec/cm
PLAY



㉕ (IC601-90) 25Vp-p & 5Vp-p
1V/5msec/cm
REC/PLAY



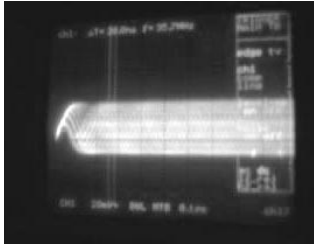
㉖ (IC601-87) 2.5Vp-p
1V/0.2msec/cm
REC/PLAY



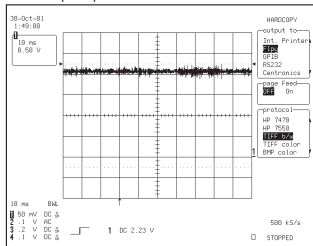
㉗ (IC601-38) 2.6Vp-p
0.5V/0.1μsec/cm
REC/PLAY

LOADER

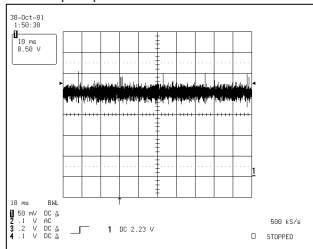
1. RF signal



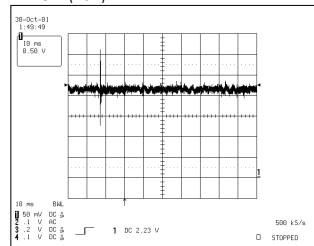
(a) RFOUT:CN11(#22)

2. FE(Focus Error) signal
IC11(#31)

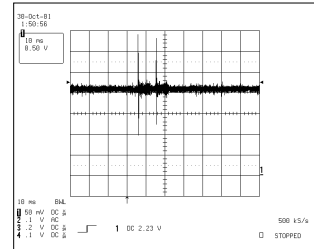
- If the Focus Servo is running in a normal condition, the FE signal shows the appropriate offset and amplitude.

3. SFOCUS signal
IC11(#42)

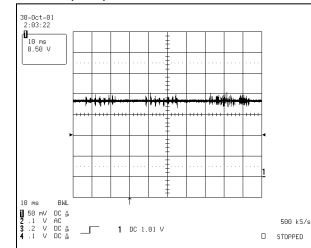
- If the Focus Servo is running in a normal condition, the SFOCUS signal shows the appropriate offset and amplitude.

4. TE(Tracking Error) signal
IC11(#32)

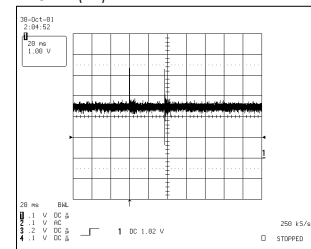
- If the Tracking Servo is running in a normal condition, the TE signal shows the appropriate offset and amplitude.

5. STRACK signal
IC11(#41)

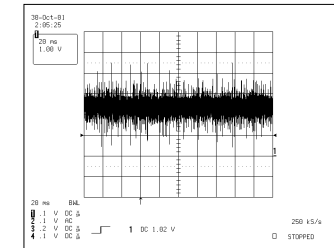
- If the Tracking Servo is running in a normal condition, the STRACK signal shows the appropriate offset and amplitude.

6. SMOTOR signal
IC11(#34)

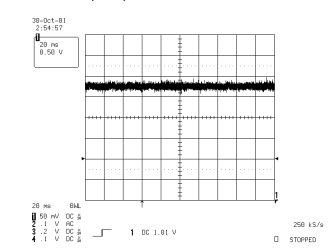
- To spin the Spindle in the right direction, operate it in the drive IC at an appropriate level.

7. TR+ signal
CN11(#7)

- To maintain the Tracking Servo, transmit the appropriate value to the PICK-UP.

8. FO+ signal
CN11(#9)

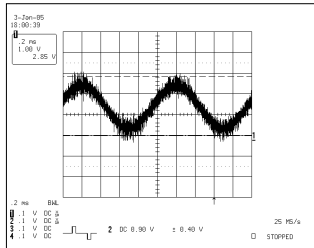
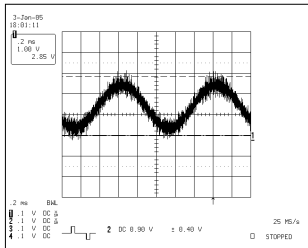
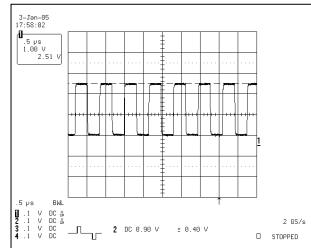
- To maintain the Focus Servo, transmit the appropriate value to the PICK-UP.

9. PI signal
CN11(#15)

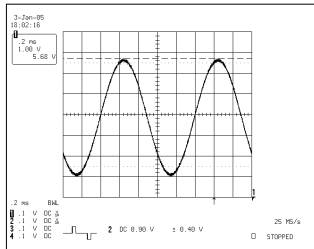
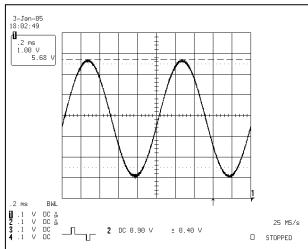
- When the Servo is locked, the PI signal maintains the appropriate level.

1. MPEG BOARD : AUDIO(1KHz/0dB)

* MPEG IC -> OPAMP IC(IC13)

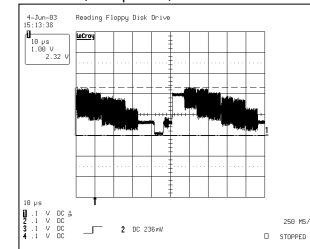
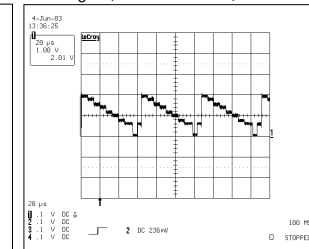
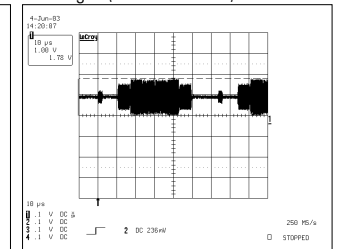
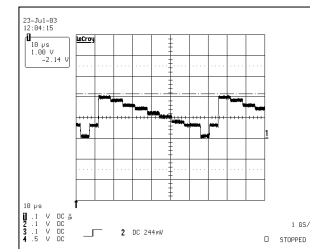
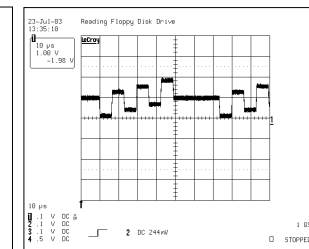
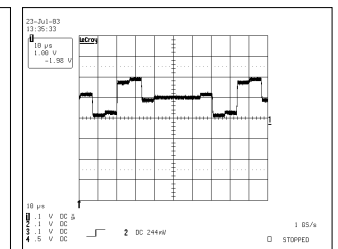
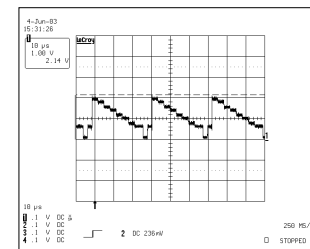
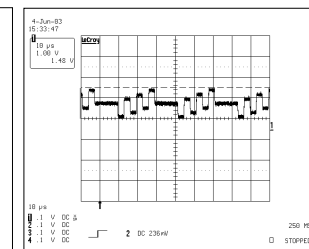
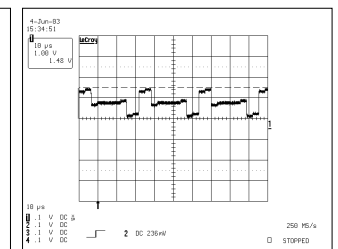
1) IC11(#189)
Left2) IC11(#187)
Right3) CN13(#6)
SPDIF

* MPEG BOARD AUDIO OUTPUT -> OPAMP IC AUDIO /CN13

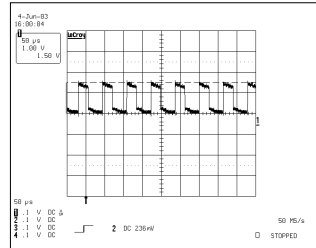
4) CN13(#8)
Left5) CN13(#10)
Right

2. MPEG BOARD : VIDEO(KDV-N Title1/Chapter2 -> Color Bar 100%)

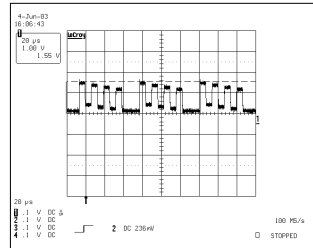
* MPEG Board -> ANALOG Board(P300 or CN02)

1) CN14(#5)
CVBS(Composite)2) CN14(#7)
Y Signal(S-VIDEO MODE)3) CN14(#9)
C Signal(S-VIDEO MODE)4) CN14(#3)
Y(G)(INTERLACED MODE)5) CN14(#1)
Pb(B) (INTERLACED MODE)6) CN14(#2)
Pr(R) (INTERLACED MODE)7) CN14(#3)
Y(G)(Progressive Scan MODE)8) CN14(#1)
Pb(B)(Progressive Scan MODE)9) CN14(#2)
Pr(R)(Progressive Scan MODE)

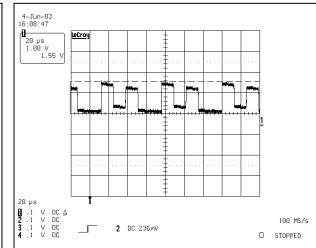
10) CN14(#3)
G(RGB MODE)



11) CN14(#1)
B(RGB MODE)



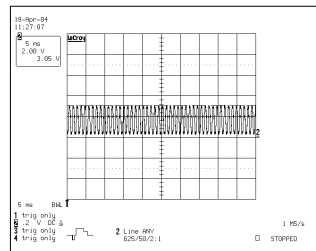
12) CN14(#2)
R(RGB MODE)



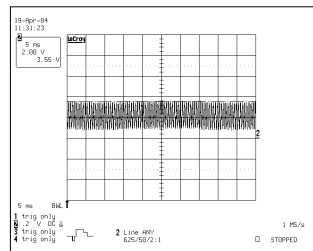
3. MPEG Board : Christal / MPEG IC <-> SD RAM IC

* XC01 27MHz Christal

1) YA11 #1 or IC11 #194

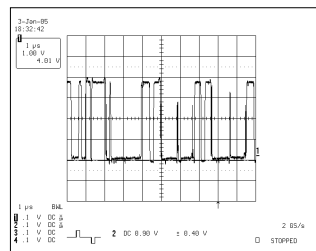


2) YA11 #2 or IC11 #193

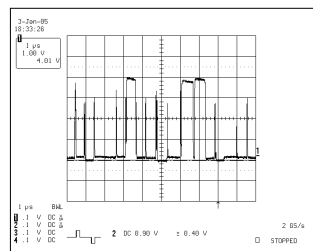


* MPEG IC(IC11) <-> SD RAM IC(IC15)

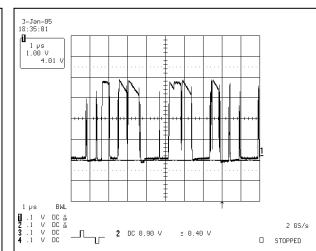
1) IC15 (#2)



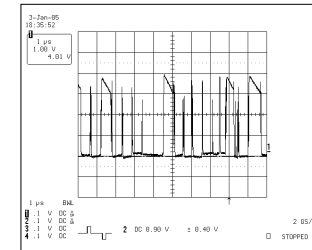
2) IC15 (#3)



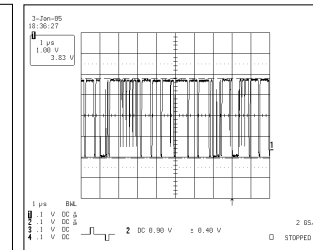
3) IC15 (#8)



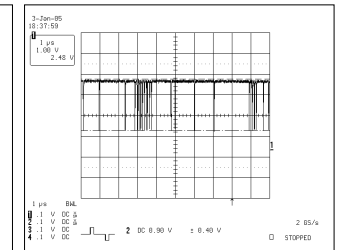
4) IC15(#12)



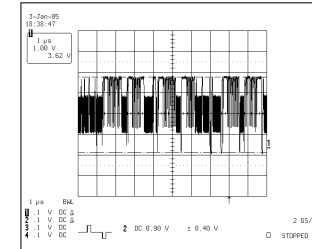
5) IC15(#14)



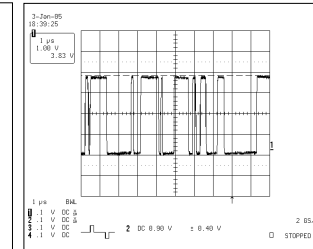
6) IC15(#15)



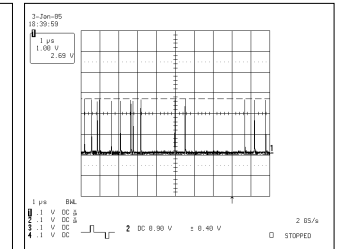
7) IC15(#16)



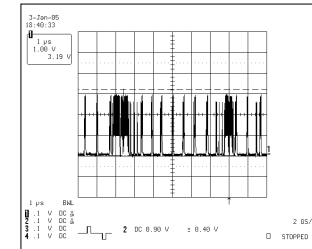
8) IC15(#19)



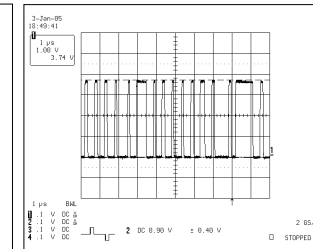
9) IC15(#21)



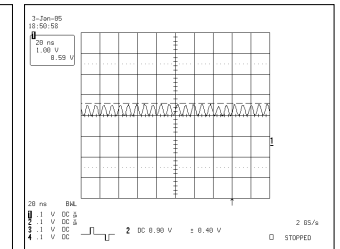
10) IC15(#22)



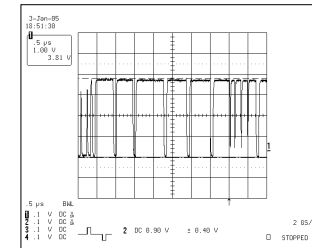
11) IC15(#34)



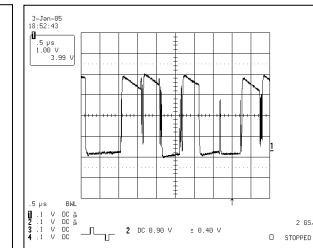
12) IC15(#35)



13) IC15(#36)



14) IC15(#45)



1. SERVO/SYSCON/TIMER MI-COM VOLTAGE CHARTS

MODE PIN No.	IC MI-COM (IC601)			MODE PIN No.	IC MI-COM (IC601)			MODE PIN No.	IC MI-COM (IC601)		
	STOP	REC	PLAY		STOP	REC	PLAY		STOP	REC	PLAY
1	5.2	5.1	5.2	44	2.5	0.0	0.0	87	3.9	2.6	2.7
2	4.2	0.1	4.2	45	5.2	5.1	5.2	88	0.0	0.0	0.0
3	1.4	1.4	1.4	46	0.0	0.0	0.0	89	0.0	0.0	0.0
4	5.2	5.1	5.2	47	1.3	1.3	1.3	90	0.1	1.4	1.4
5	5.0	5.1	5.2	48	0.0	0.0	0.0	91	2.6	2.6	2.6
6	5.0	5.1	5.2	49	0.0	0.0	0.0	92	2.6	2.6	2.6
7	4.9	4.9	4.9	50	0.8	1.9	2.0	93	0.0	0.0	0.0
8	0.0	0.0	0.0	51	2.8	2.7	2.8	94	0.0	2.2	2.6
9	0.2	0.0	0.0	52	1.6	2.0	0.0	95	0.0	2.8	2.6
10	1.6	1.6	2.8	53	5.1	5.1	5.1	96	0.0	2.5	2.6
11	3.0	3.0	3.0	54	2.1	2.0	2.0	97	0.0	2.6	2.6
12	5.2	5.1	5.1	55	2.6	1.5	2.6	98	0.0	5.1	5.2
13	5.6	0.0	0.0	56	0.0	0.0	2.0	99	0.0	5.1	5.2
14	4.8	5.2	5.3	57	0.0	0.0	0.0	##	0.0	0.0	0.0
15	0.0	2.5	2.5	58	0.0	0.3	0.0				
16	0.0	0.0	5.1	59	0.0	0.0	0.0				
17	5.1	5.2	5.2	60	0.0	0.0	0.0				
18	5.2	2.5	2.5	61	0.4	0.1	0.1				
19	0.0	2.5	2.6	62	5.1	5.1	5.1				
20	1.6	1.6	1.6	63	5.2	0.0	5.2				
21	0.0	5.1	0.0	64	5.1	0.0	5.1				
22	5.1	0.0	0.0	65	5.0	4.9	5.0				
23	0.0	5.0	5.1	66	3.6	3.7	3.6				
24	0.0	5.0	5.1	67	3.8	3.8	3.8				
25	5.1	0.0	0.0	68	0.0	0.0	0.0				
26	5.1	0.0	5.2	69	0.0	0.0	0.0				
27	0.0	5.1	5.2	70	5.1	5.1	5.1				
28	5.2	0.0	0.0	71	4.6	4.8	4.8				
29	5.2	5.1	5.2	72	4.5	4.6	4.8				
30	5.2	5.1	5.2	73	5.1	0.0	0.0				
31	1.3	1.3	1.3	74	5.1	5.1	5.1				
32	4.8	4.7	4.8	75	0.3	0.3	0.3				
33	0.7	1.1	1.8	76	0.0	2.6	2.6				
34	0.0	5.1	5.2	77	0.0	2.8	2.8				
35	2.5	0.0	0.0	78	3.5	3.5	3.5				
36	0.0	0.0	0.0	79	0.3	5.0	0-5				
37	5.2	5.1	5.2	80	5.1	5.0	0-5				
38	2.4	2.3	2.3	81	0.0	0.0	0.0				
39	2.5	2.1	2.2	82	2.6	2.6	2.6				
40	0.0	0.0	0.0	83	5.1	5.0	5.1				
41	2.5	0.0	0.0	84	0.0	0.0	0.0				
42	2.5	0.0	0.0	85	0.0	0.0	0.0				
43	5.1	5.1	5.2	86	2.5	0.0	0.0				

IC LED DRIVER VOLTAGE CHARTS

MODE PIN No.	IC DRIVER (IC701)			MODE PIN No.	IC DRIVER (IC701)		
	STOP	REC	PLAY		STOP	REC	PLAY
1	2.2	2.1	2.1	13	0.8	1.2	1.8
2	0.7	1.1	1.8	14	0.8	2.0	1.8
3	4.8	4.8	4.8	15	2.5	0.0	0.0
4	1.3	1.3	1.3	16	2.7	0.0	0.0
5	5.0	4.8	4.7	17	5.0	1.8	2.1
6	1.1	1.3	0.0	18	0.0	4.8	4.7
7	1.9	0.0	0.0	19	0.0	0.0	0.0
8	2.6	1.7	2.5	20	2.7	2.0	2.1
9	0.8	2.3	2.4	21	2.7	2.0	2.1
10	0.8	2.4	2.4	22	2.7	2.0	2.1
11	1.1	2.1	2.2	23	2.0	1.8	1.8
12	0.8	0.0	1.7	24	0.0	0.0	0.0

2. IC A/V VOLTAGE CHARTS

MODE PIN No.	IC A/V (IC301)		
	STOP	REC	PLAY
1	2.3	2.3	2.3
2	2.2	2.8	0.0
3	2.3	2.2	2.3
4	2.3	2.2	2.3
5	2.3	2.3	2.3
6	2.3	2.1	2.3
7	2.3	2.0	2.3
8	2.3	2.0	2.3
9	2.3	2.1	2.3
10	2.2	2.1	2.2
11	4.8	4.2	4.8
12	1.0	1.0	0.0
13	0.8	0.8	0.8
14	1.6	1.5	1.8
15	1.5	1.5	1.5
16	0.0	0.0	0.0
17	0.0	4.0	4.0
18	2.3	2.3	1.5
19	0.0	0.0	0.0
20	2.1	2.1	2.5
21	1.4	1.4	1.8
22	3.0	3.0	2.9
23	4.8	4.7	4.7
24	4.9	0.0	0.0
25	0.1	0.3	0.4
26	1.0	1.8	2.0
27	1.5	1.5	0.0

MODE PIN No.	IC A/V (IC301)		
	STOP	REC	PLAY
28	2.2	2.2	2.2
29	2.3	2.3	2.3
30	0.0	2.2	2.2
31	4.1	4.1	4.1
32	2.2	2.2	2.2
33	3.3	2.4	2.4
34	0.0	3.0	0.0
35	2.9	2.8	2.9
36	2.5	2.5	2.3
37	2.6	2.6	2.6
38	0.0	0.0	0.0
39	1.4	1.4	1.4
40	0.0	0.0	0.0
41	0.9	0.9	0.9
42	2.3	2.3	2.3
43	4.5	4.5	4.5
44	4.9	4.9	4.9
45	5.0	5.0	5.0
46	2.2	2.2	3.1
47	3.2	3.2	3.5
48	3.2	3.2	3.5
49	4.0	4.0	3.5
50	2.6	2.6	2.6
51	2.1	2.1	2.1
52	4.9	4.9	4.9
53	4.4	4.5	4.5
54	4.3	4.4	4.5

MODE PIN No.	IC A/V (IC301)		
	STOP	REC	PLAY
55	0.4	0.1	0.2
56	0.0	0.0	0.0
57	3.2	2.5	2.5
58	0.0	0.0	0.0
59	0.8	0.8	1.9
60	5.1	5.0	5.1
61	2.9	2.9	2.9
62	0.0	0.0	0.0
63	3.9	3.9	3.9
64	2.1	2.1	1.3
65	0.7	0.7	0.7
66	0.7	0.7	0.7
67	0.7	0.7	0.7
68	4.9	0.0	4.9
69	1.7	1.7	0.1
70	1.7	1.7	0.0
71	0.0	0.0	0.0
72	4.1	0.0	0.0
73	4.1	4.0	0.0
74	4.1	4.1	1.8
75	0.0	0.0	0.0
76	2.3	2.3	2.3
77	4.9	4.9	4.9
78	2.3	2.3	2.3
79	1.1	1.1	0.0
80	2.3	2.3	2.3

IC CHIP SW VOLTAGE CHARTS

MODE PIN No.	IC CHIP SW (IC303)		
	STOP	REC	PLAY
1	0.8	1.8	2.0
2	1.2	1.2	1.2
3	5.3	0.0	0.0
4	5.3	0.0	0.0
5	5.3	0.0	0.0
6	0.0	0.0	0.0
7	0.0	0.0	0.0
8	0.0	0.0	0.0

MODE PIN No.	IC CHIP SW (IC303)		
	STOP	REC	PLAY
9	5.3	0.0	0.0
10	7.6	7.6	7.6
11	7.6	4.2	7.6
12	0.0	0.2	0.2
13	0.0	0.2	0.0
14	0.0	0.2	0.0
15	0.8	1.8	2.0
16	12.6	12.6	12.6

3. IC HI-FI VOLTAGE CHARTS

MODE PIN No.	IC HI-FI (IC251)		
	STOP	REC	PLAY
1	2.3	2.3	2.3
2	0.5	0.5	0.5
3	2.3	2.3	2.3
4	0.5	0.5	0.4
5	2.4	2.4	2.4
6	2.4	2.4	2.4
7	2.1	2.0	2.1
8	0.7	0.7	0.4
9	0.0	0.0	0.0
10	0.0	0.0	0.0
11	0.0	0.0	0.0
12	2.1	0.0	2.1
13	2.6	2.0	2.6
14	0.0	0.0	0.0
15	0.0	0.0	0.0
16	2.5	2.4	2.4
17	0.5	0.8	0.8
18	2.4	2.4	2.4
19	2.4	2.4	2.4
20	2.0	1.9	0.0
21	2.0	1.8	0.0
22	2.0	1.9	0.7

MODE PIN No.	IC HI-FI (IC251)		
	STOP	REC	PLAY
23	0.0	0.0	0.0
24	2.0	1.9	0.7
25	4.9	4.7	4.8
26	2.0	1.9	0.0
27	2.5	2.5	2.5
28	4.1	4.1	4.0
29	1.7	0.0	1.7
30	1.7	4.3	1.7
31	0.0	0.9	1.8
32	2.4	2.4	2.4
33	2.4	2.4	2.4
34	0.5	0.8	0.7
35	2.4	2.4	2.4
36	4.9	4.9	0.0
37	1.6	1.5	1.6
38	0.0	0.0	0.0
39	0.1	0.1	0.1
40	4.8	4.7	4.8
41	0.0	0.0	0.0
42	4.4	4.5	4.6
43	4.4	4.4	4.6
44	2.4	2.4	2.3

MODE PIN No.	IC HI-FI (IC251)		
	STOP	REC	PLAY
45	0.0	0.0	0.0
46	3.3	3.2	3.3
47	2.7	2.6	2.3
48	2.2	2.2	2.2
49	3.3	2.7	3.3
50	2.8	2.7	3.3
51	4.9	4.7	4.8
52	2.4	2.4	3.2
53	5.8	5.6	5.7
54	2.4	2.3	2.4
55	0.0	0.0	0.0
56	0.5	0.5	0.0
57	5.8	5.7	5.7
58	12.4	12.4	12.4
59	5.8	5.7	5.8
60	0.6	0.7	0.1
61	2.4	2.4	2.4
62	2.4	2.4	2.3
63	2.7	2.7	2.7
64	0.7	0.6	0.5

1. POWER SUPPLY 1 SCHEMATIC DIAGRAM (VE 4.0 COMBO)-110V

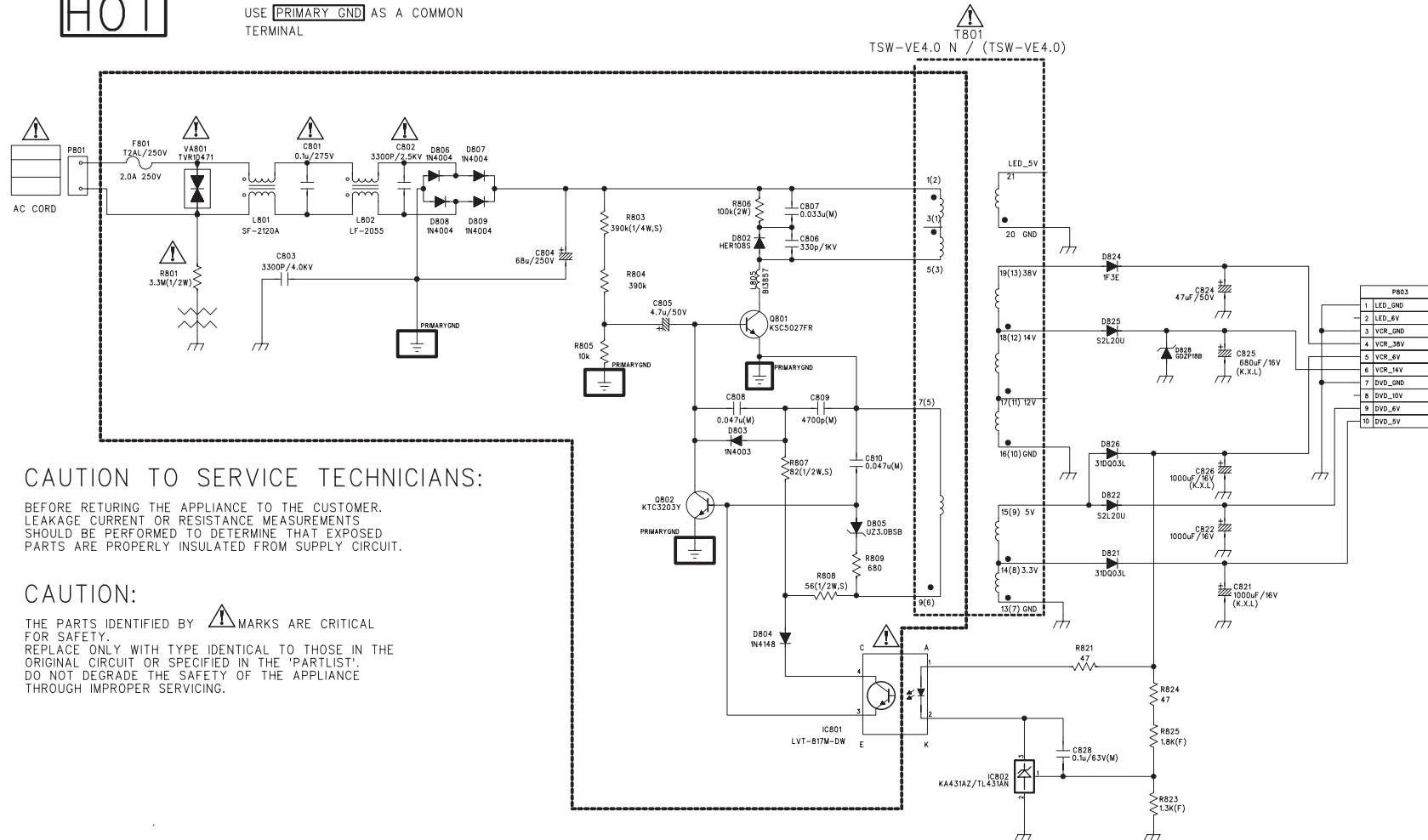


2. POWER SUPPLY 1 SCHEMATIC DIAGRAM (VE 4.0 COMBO)-220V

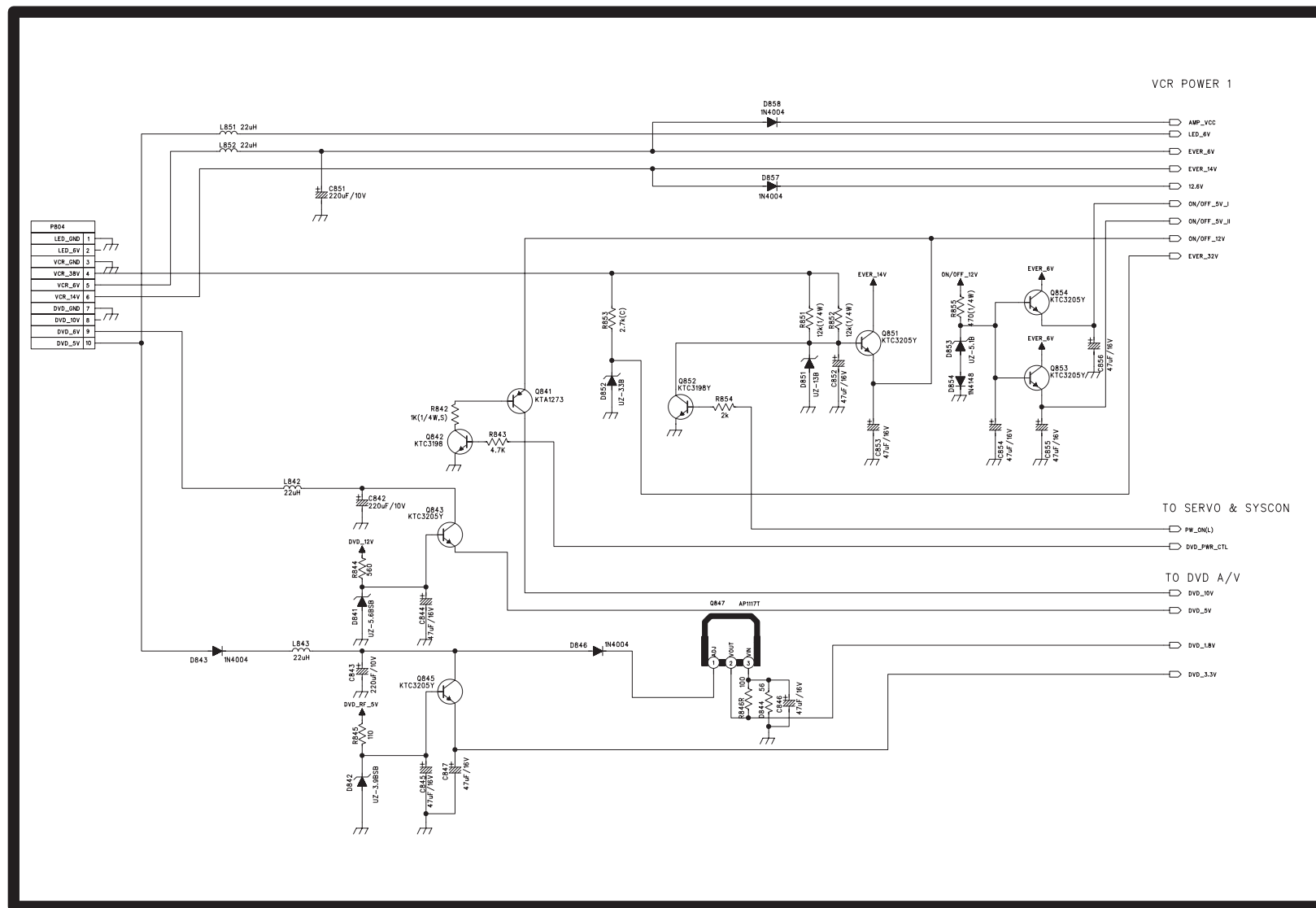
HOT CIRCUIT. BE CAREFUL AND USE AN ISOLATION TRANSFORMER WHEN SERVICING

HOT

NOTE : IF YOU CHECK THE VOLTAGE FOR PARTS IN HOT CIRCUIT. YOU MUST USE **PRIMARY_GND** AS A COMMON TERMINAL

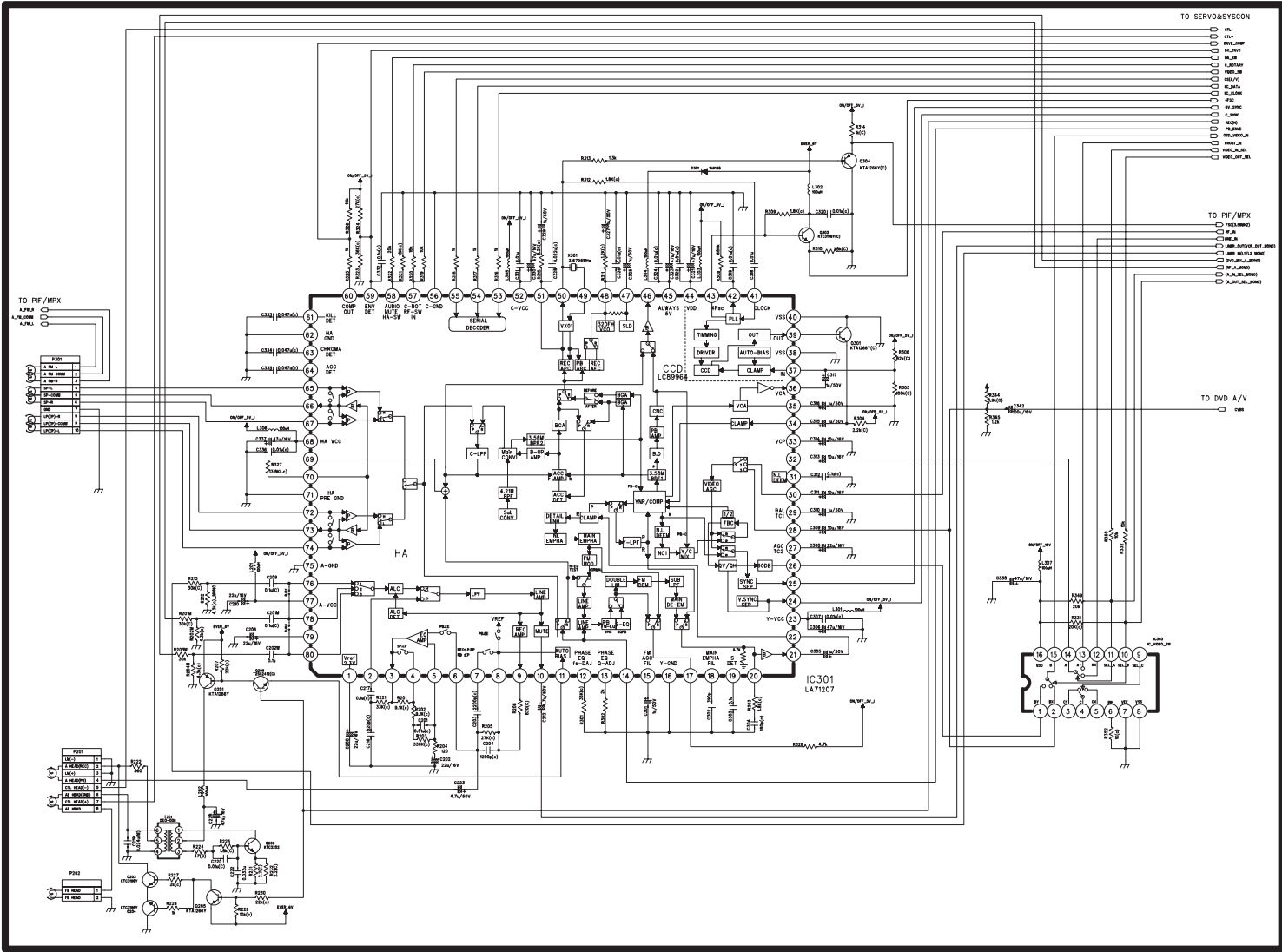


3. POWER SUPPLY 2 SCHEMATIC DIAGRAM (NT VE 4.0 COMBO)

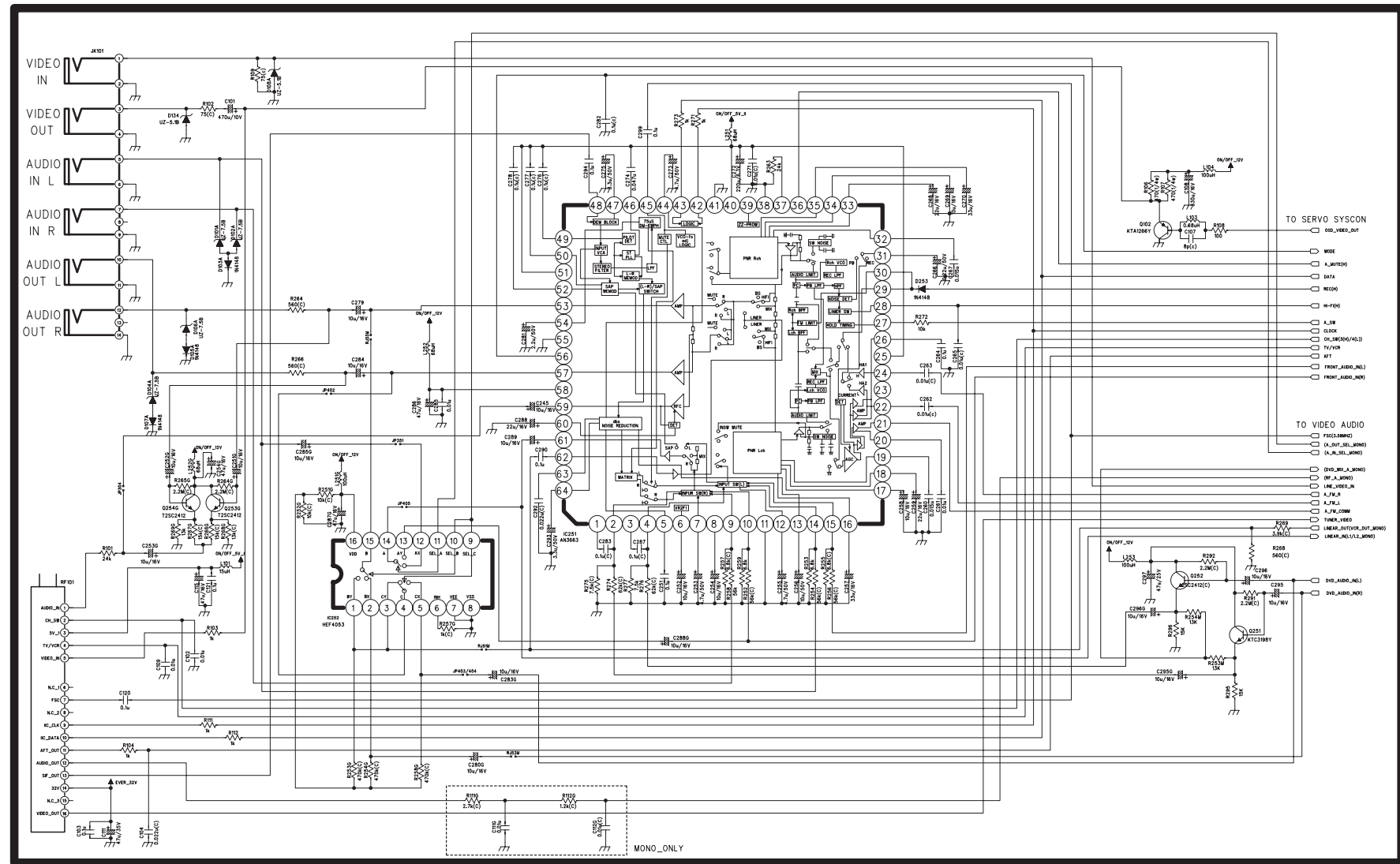




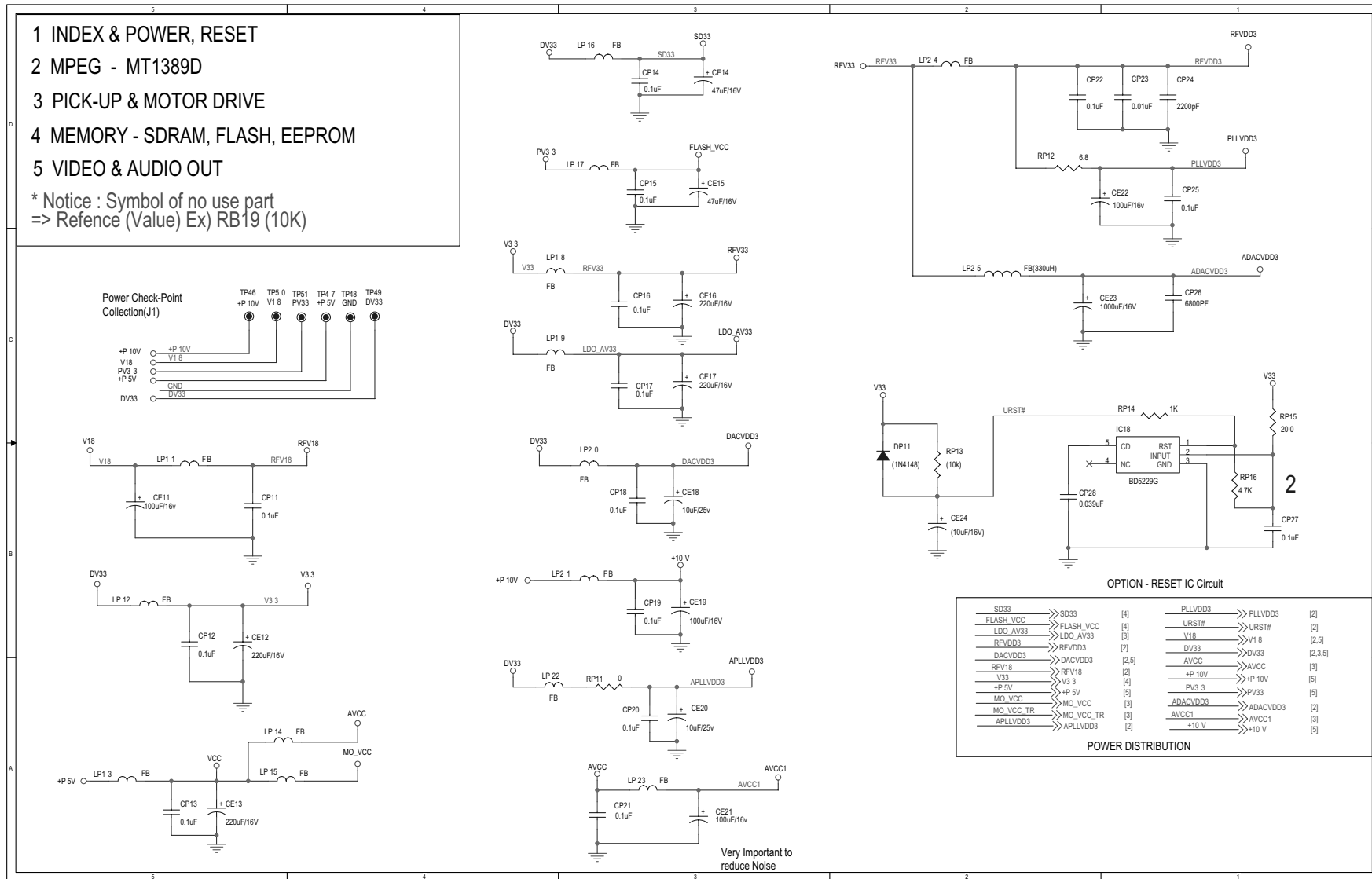
5. VIDEO&AUDIO SCHEMATIC DIAGRAM(NT VE4.0 COMBO)



6.TMI & MPX SCHEMATIC DIAGRAM(NT VE4.0 COMBO)



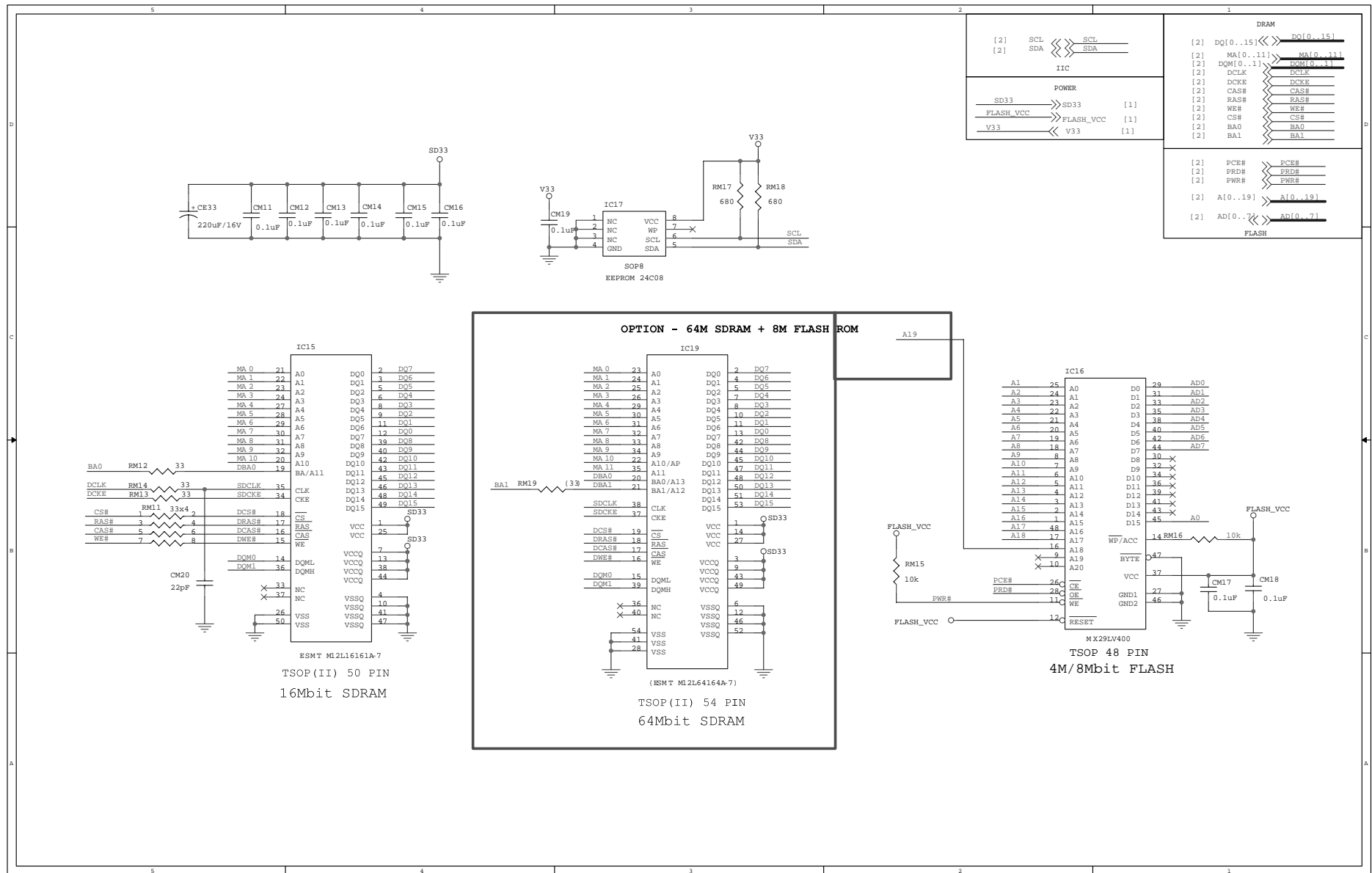
7.



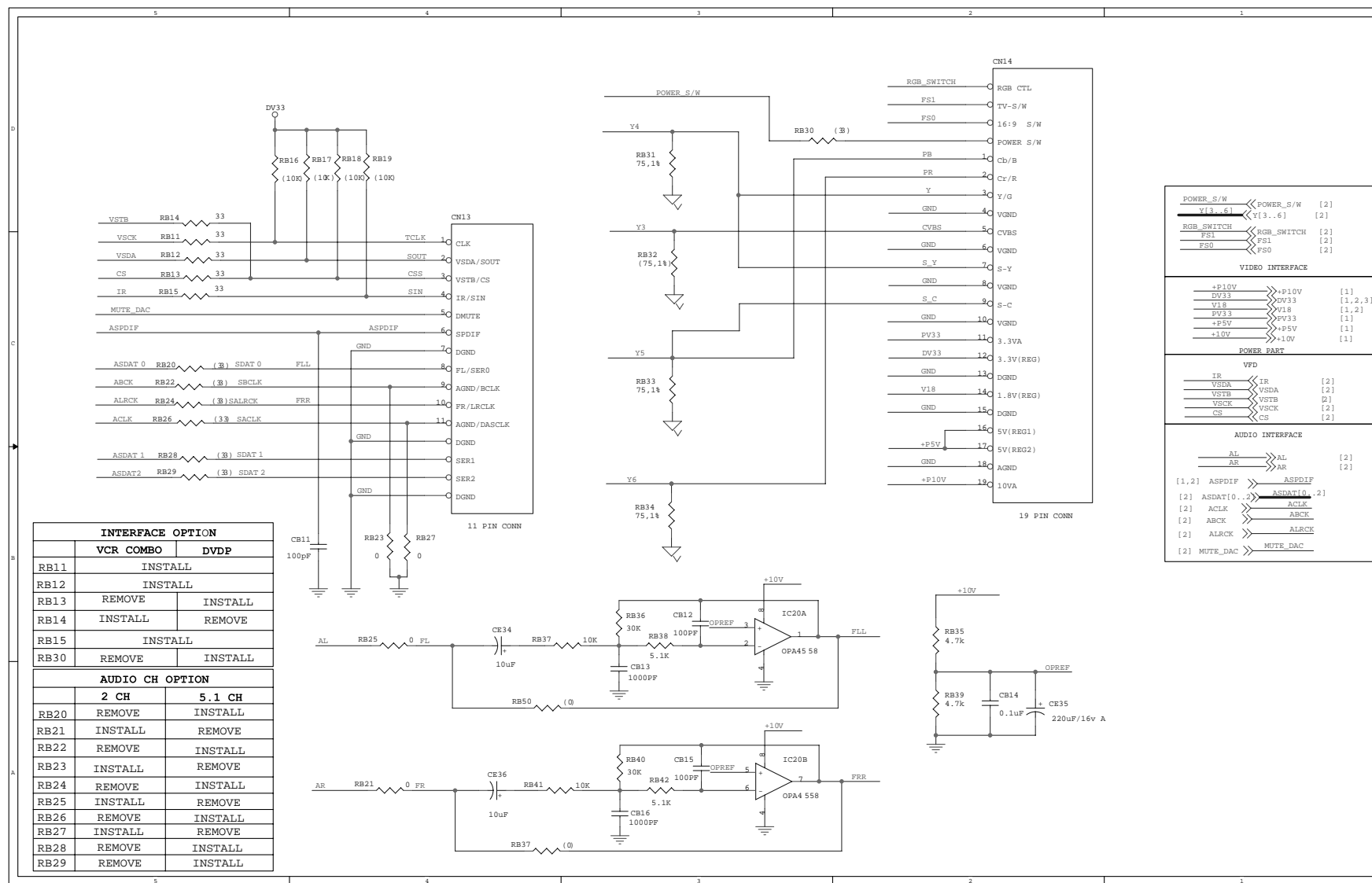




10.

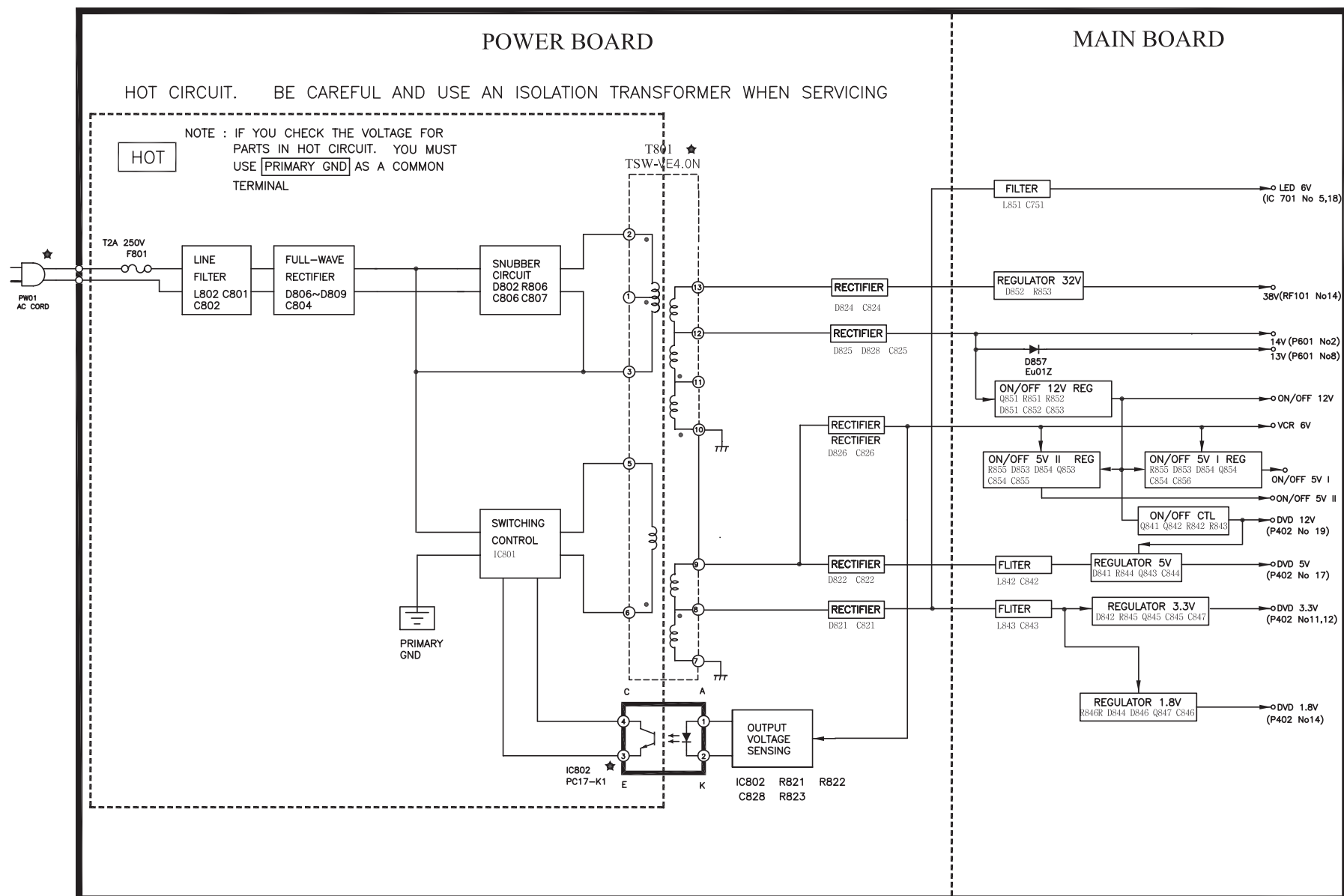


11.

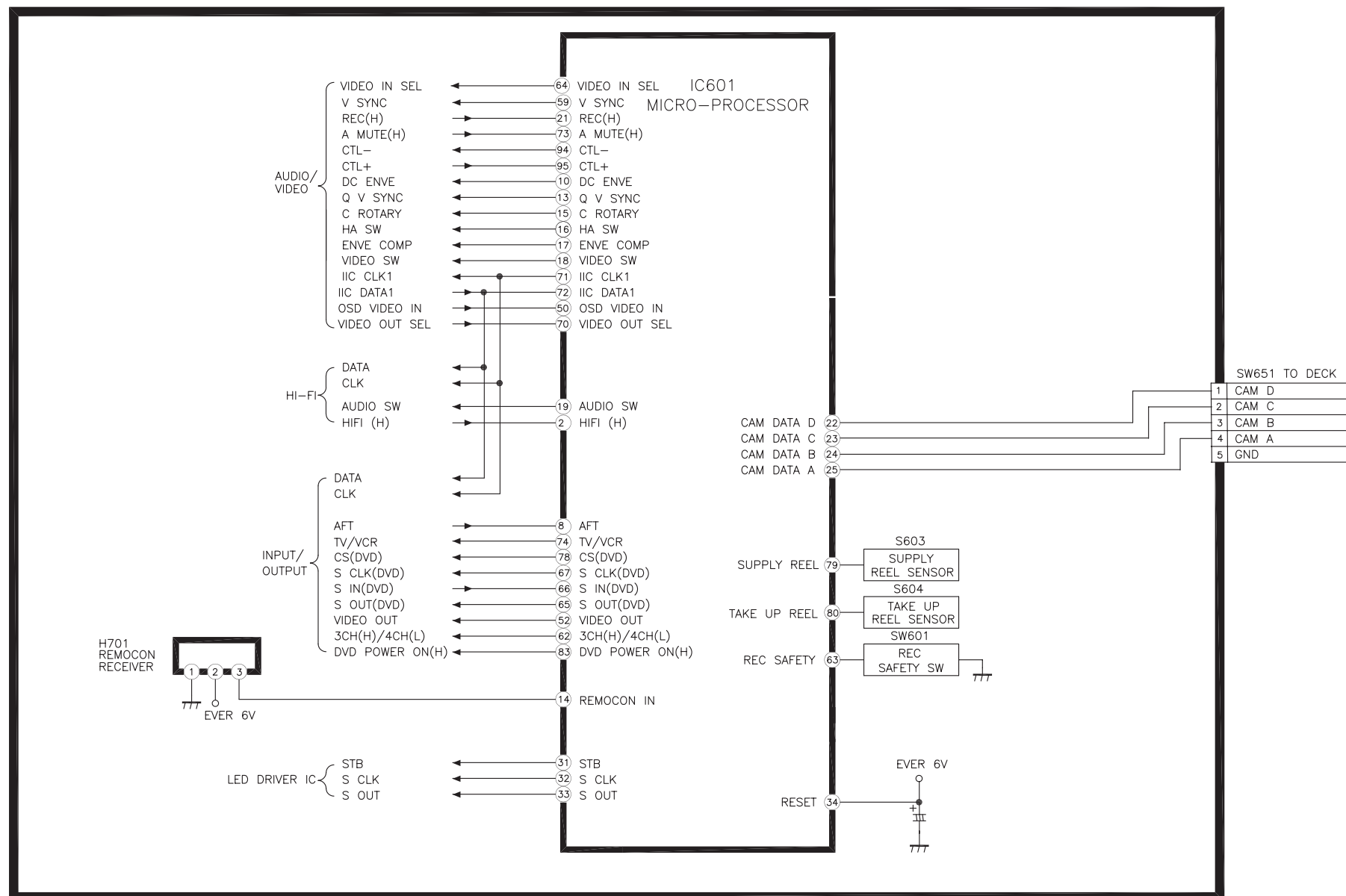


BLOCK DIAGRAM

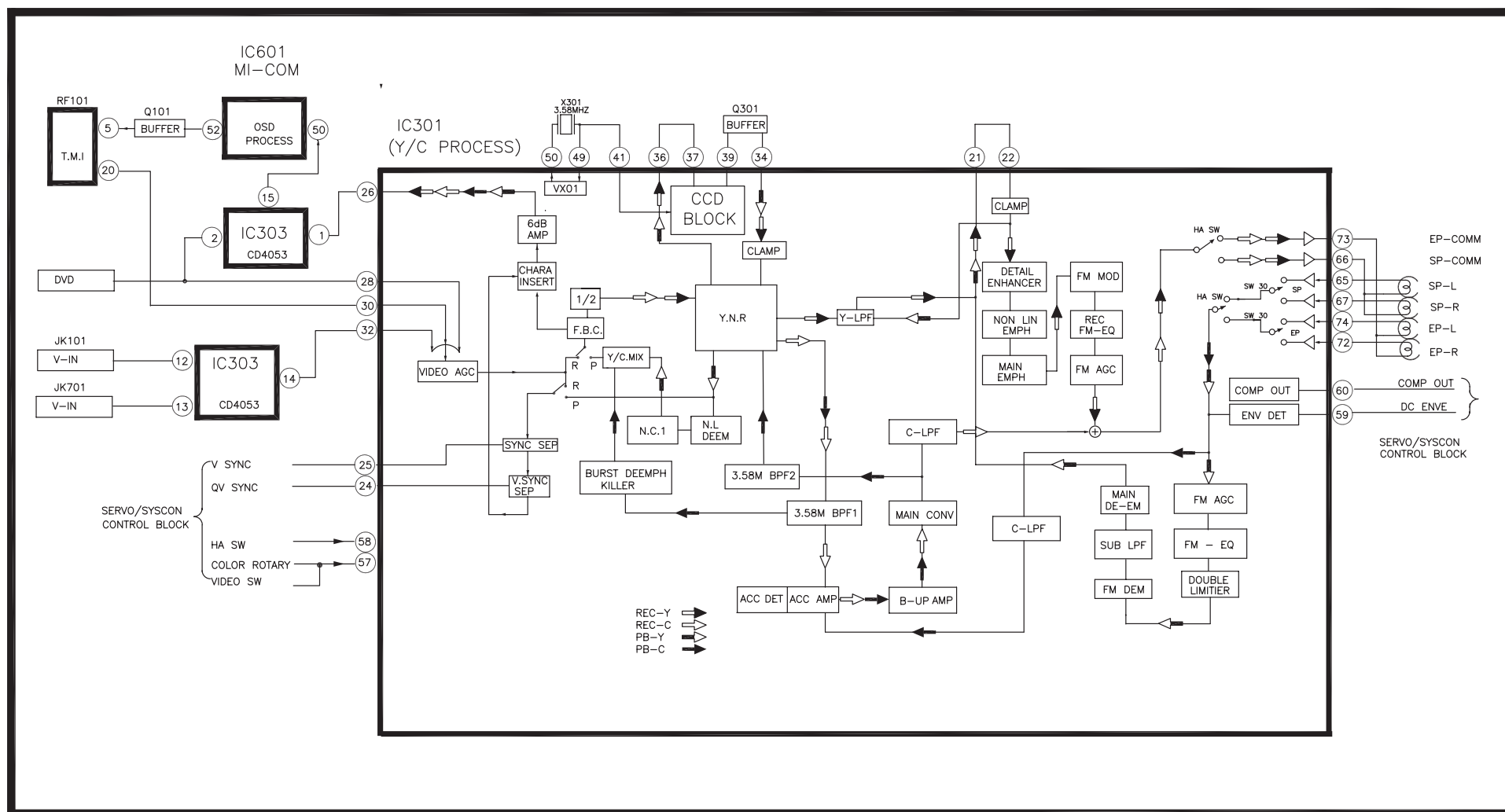
1. POWER SUPPLY BLOCK DIAGRAM



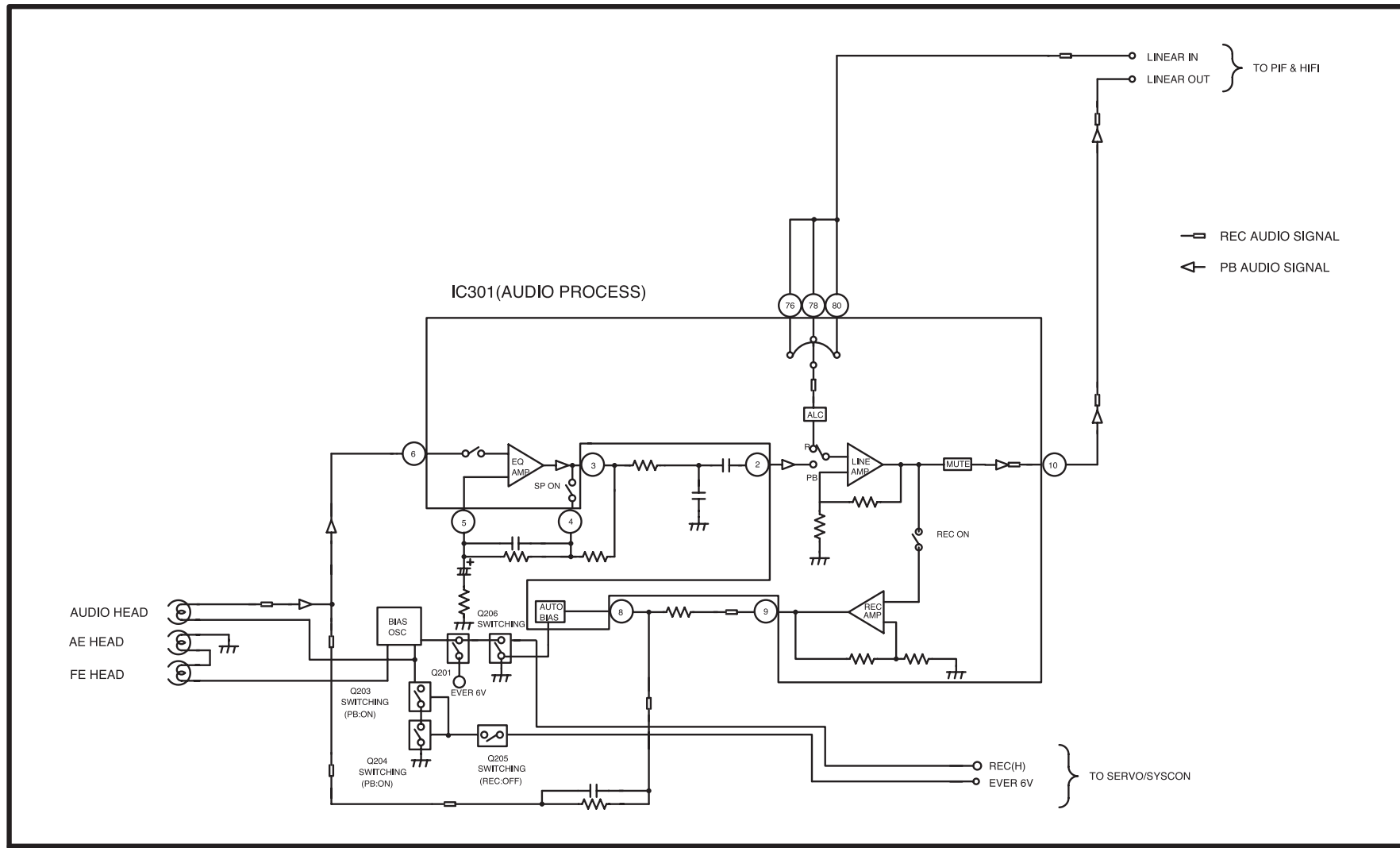
2. SERVO & SYSCON BLOCK DIAGRAM



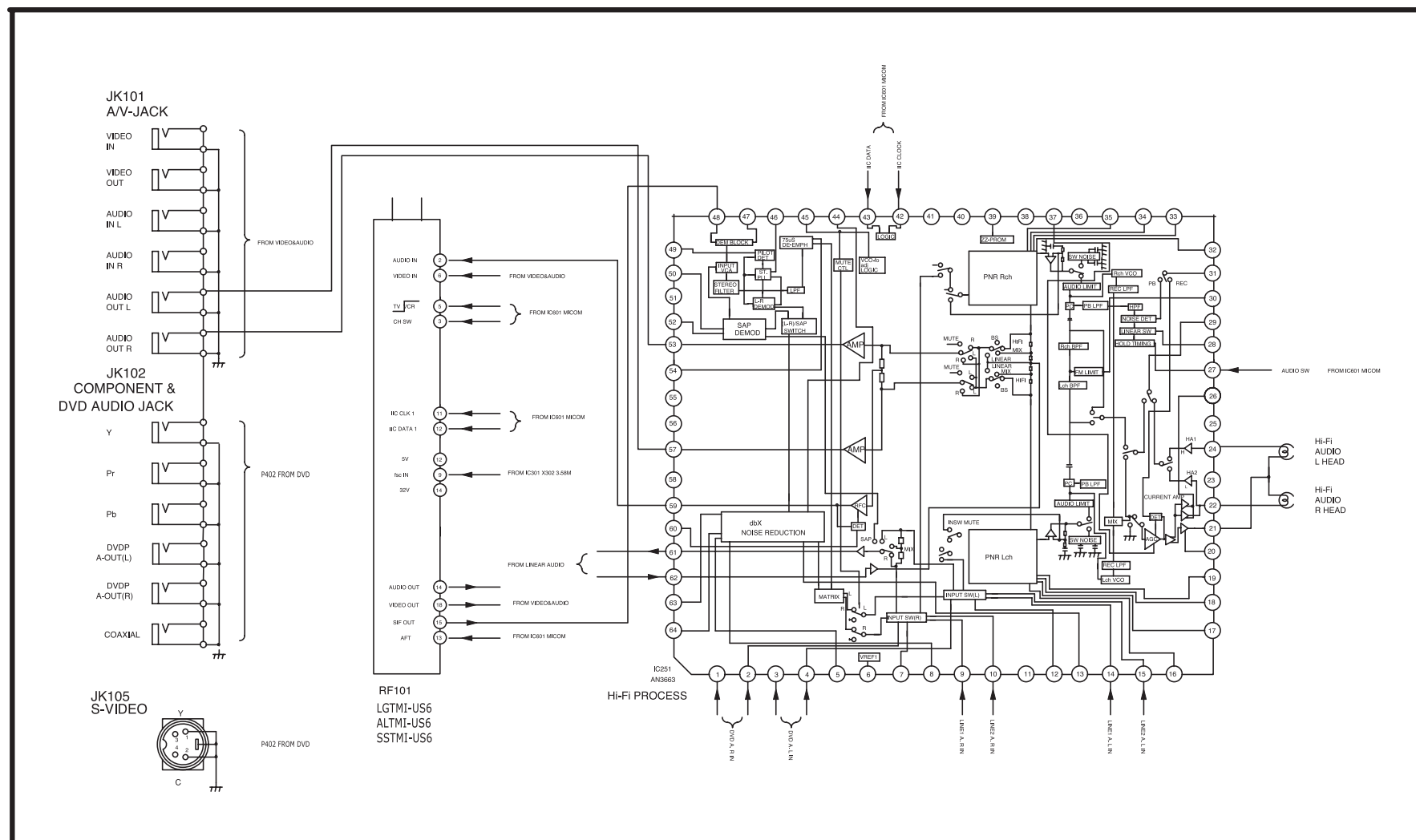
3. VIDEO BLOCK DIAGRAM



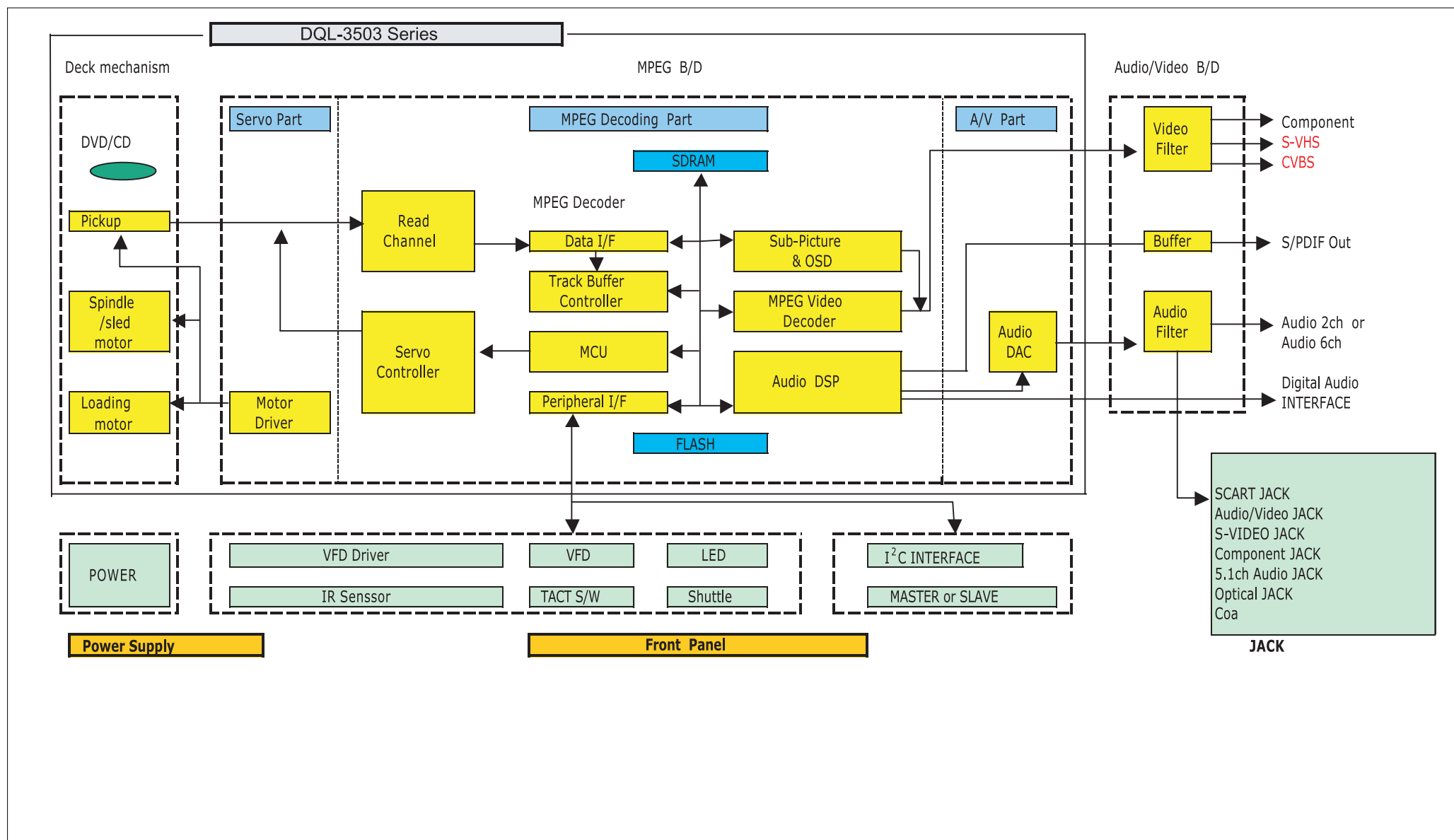
4. LINEAR AUDIO BLOCK DIAGRAM



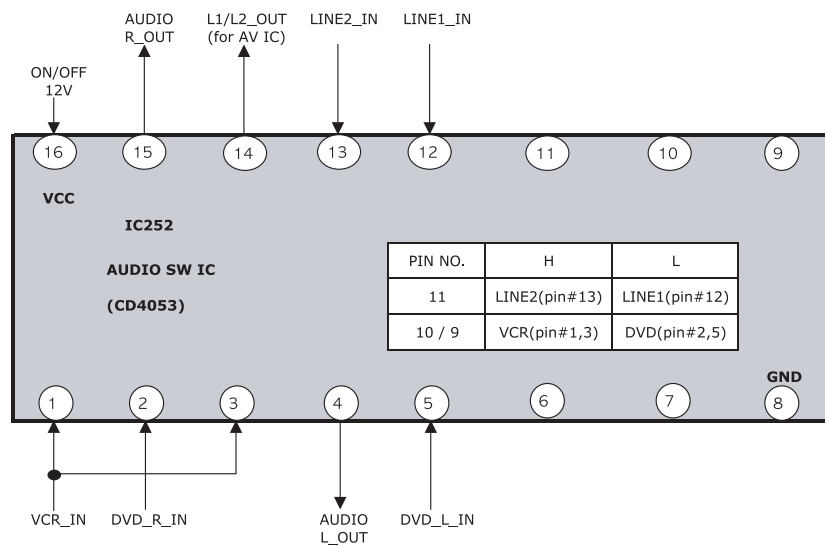
5. PIF & Hi-Fi BLOCK DIAGRAM



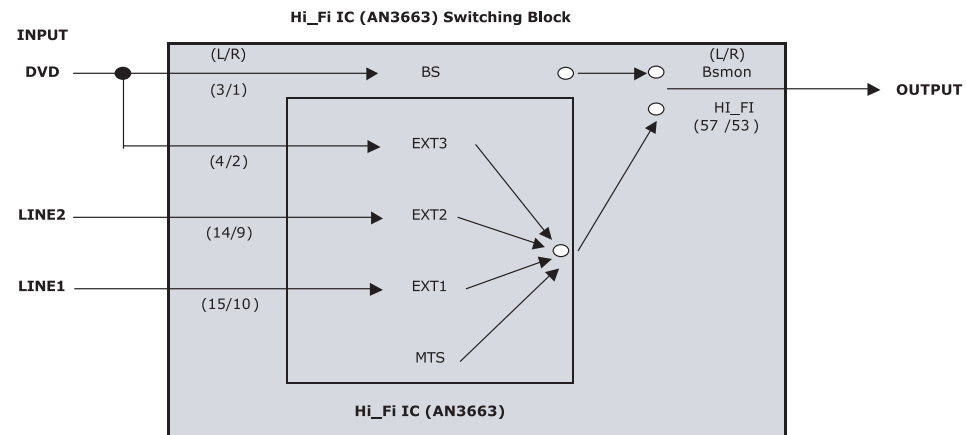
6. VE3.0 DVD BLOCK DIAGRAM



AUDIO Switching Block(Mono Model)

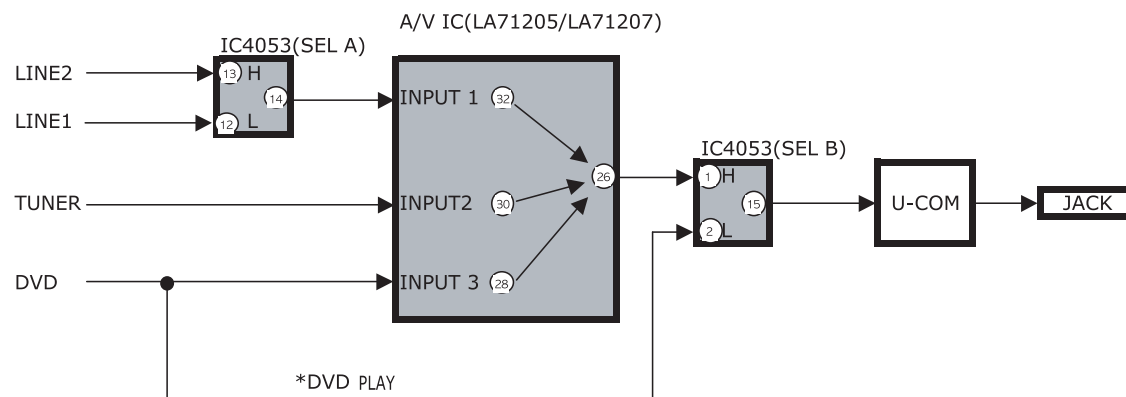


Hi-Fi IC(AN3663) Switching Block

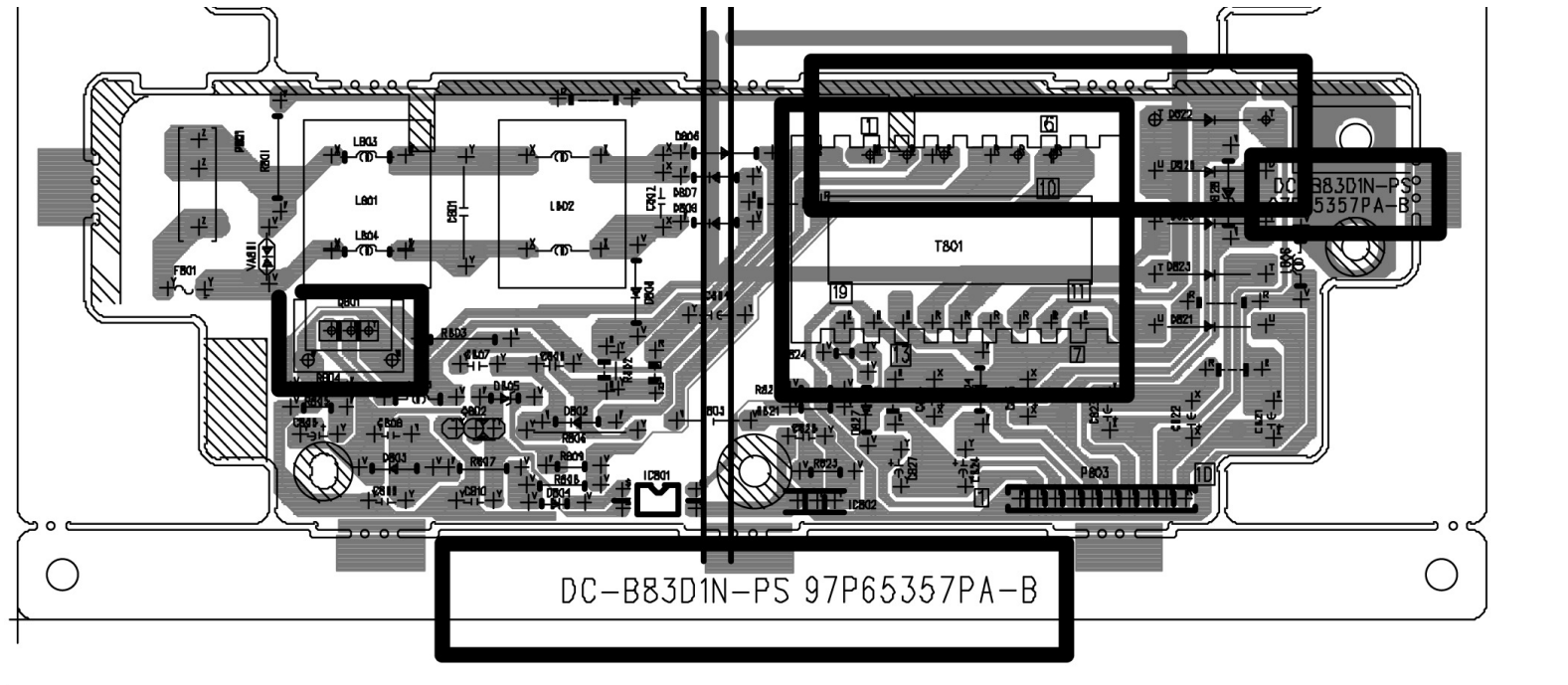


VE 3.0 VIDEO SWITCHING TABLE

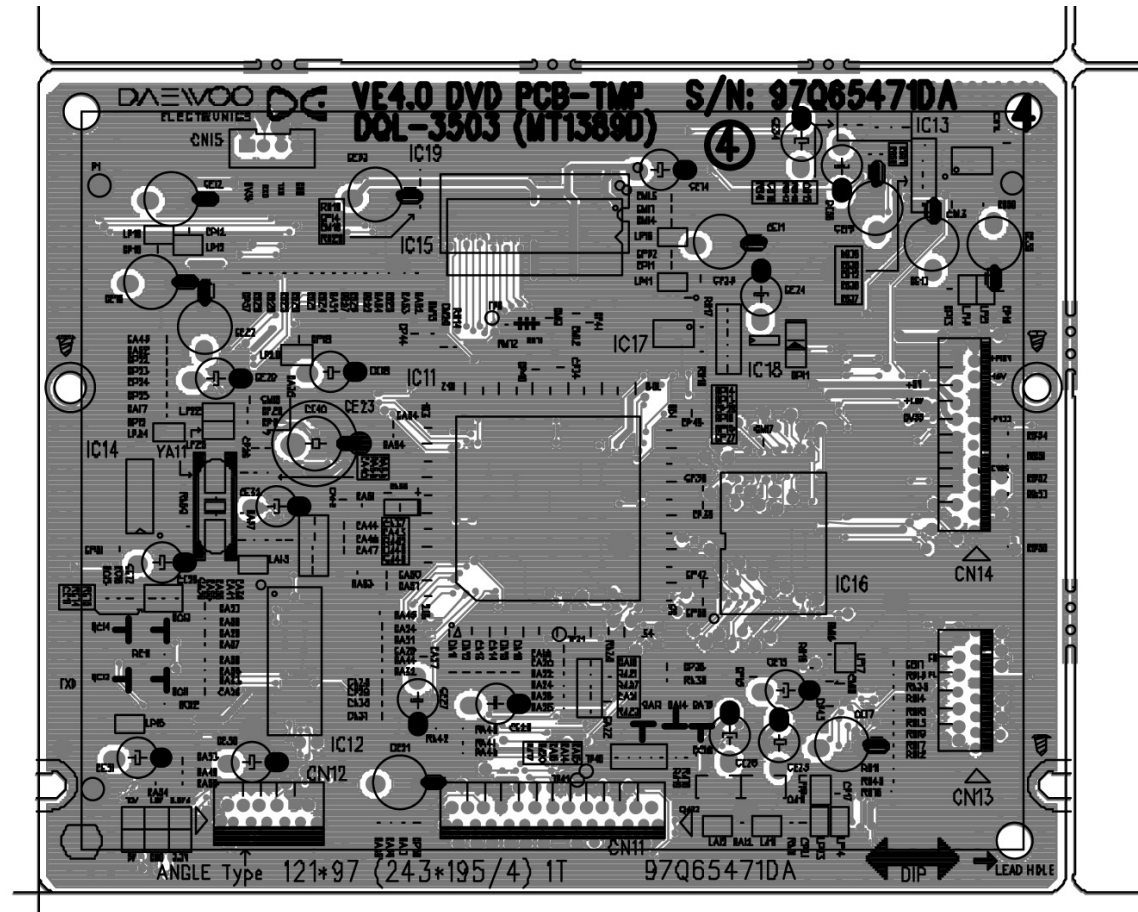
VE3.0 VIDEO SWITCHING TABLE



1-2. POWER



1-3. DVD(MAIN)



1. DECK DISASSEMBLY

Perform all disassembly procedures in the order presented.
When reassembling, use the reverse procedure.
Make sure that all leads/ wiring are routed correctly when reassembling.

A. TOP COVER REMOVAL

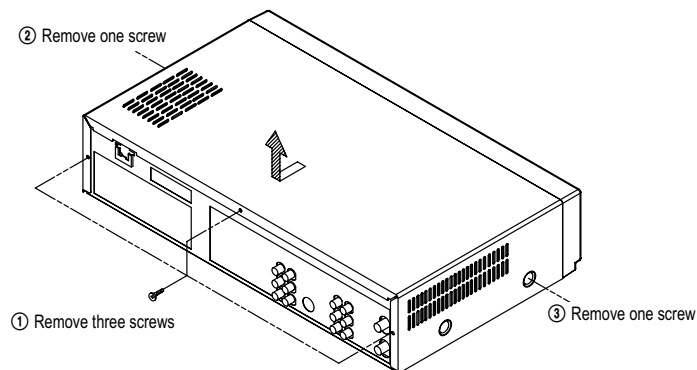


FIG. 1

B. PANEL FRONT DISASSEMBLY

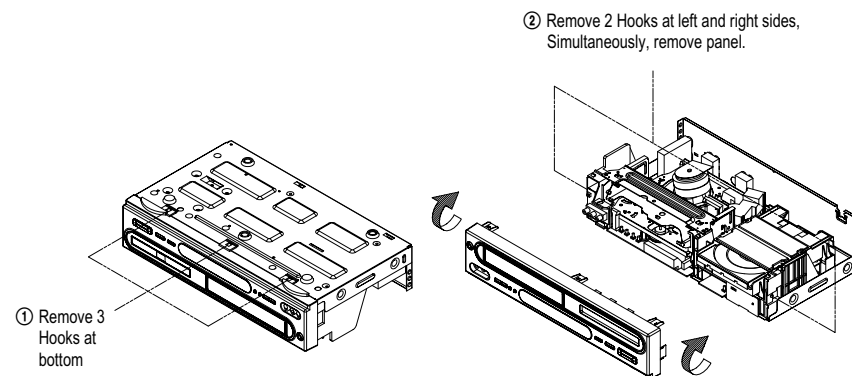


FIG.2

C. LOGIC PCB DISASSEMBLY

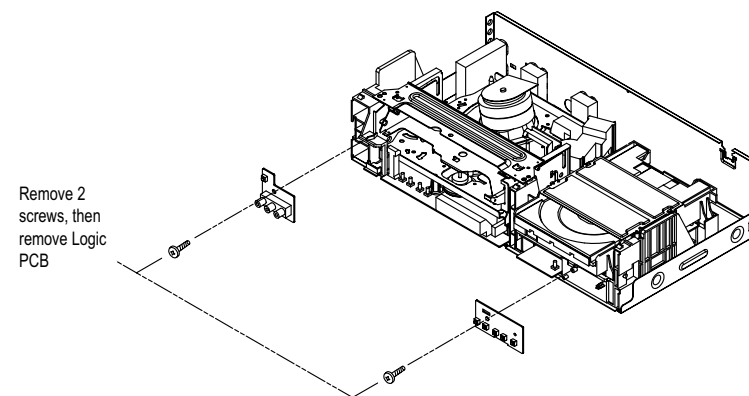


FIG.3

D. DECK AND MAIN PARTS DISASSEMBLY

① Remove 5 screws, then remove DECK

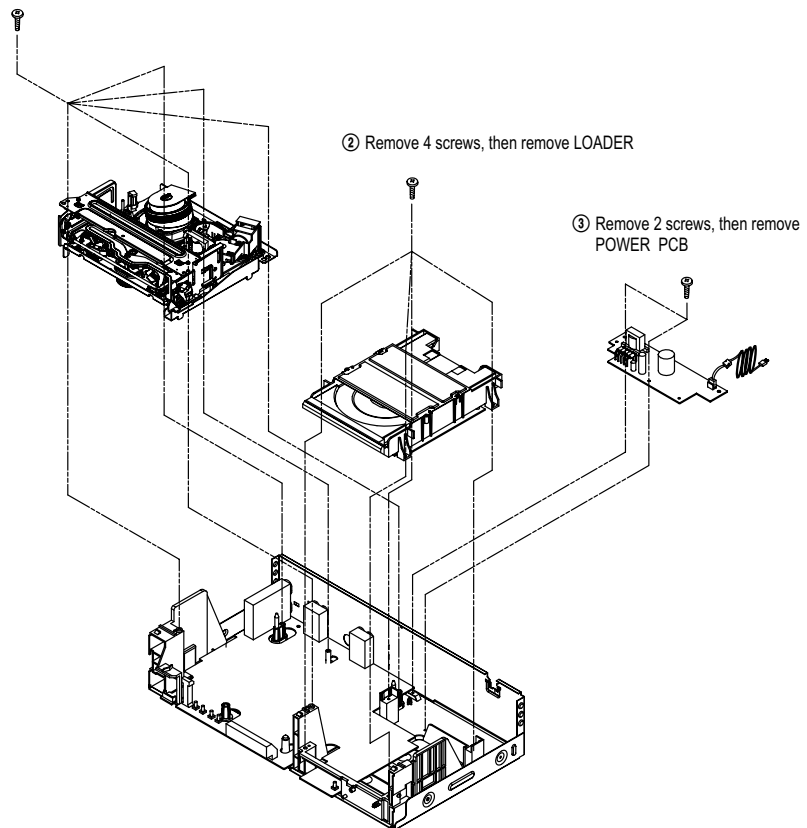


FIG. 4

E. MAIN PCB DISASSEMBLY

② Remove 2 screws, then remove MAIN PCB

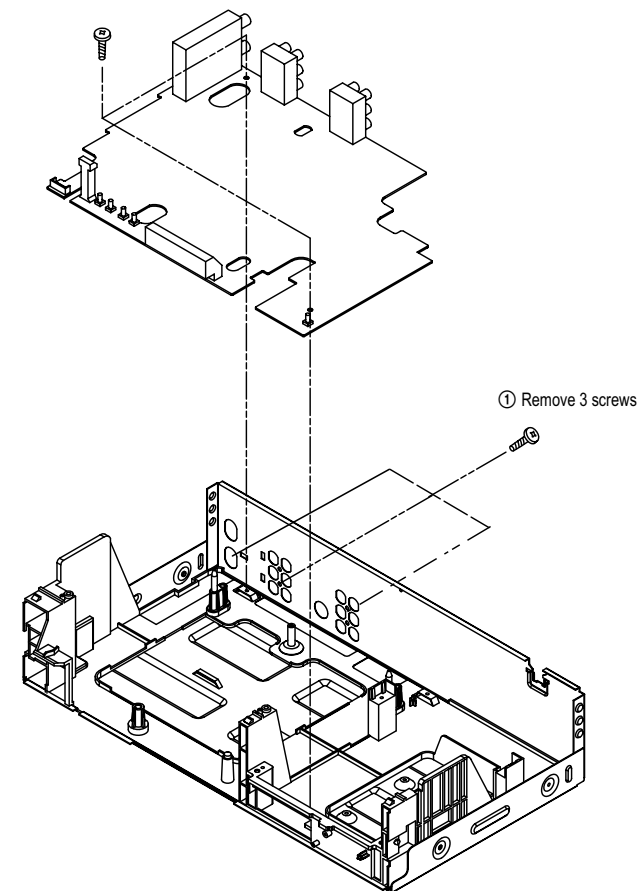


FIG. 5

F. MAIN CHASSIS DISASSEMBLY

① Remove 4 screws, then remove MAIN CHASSIS

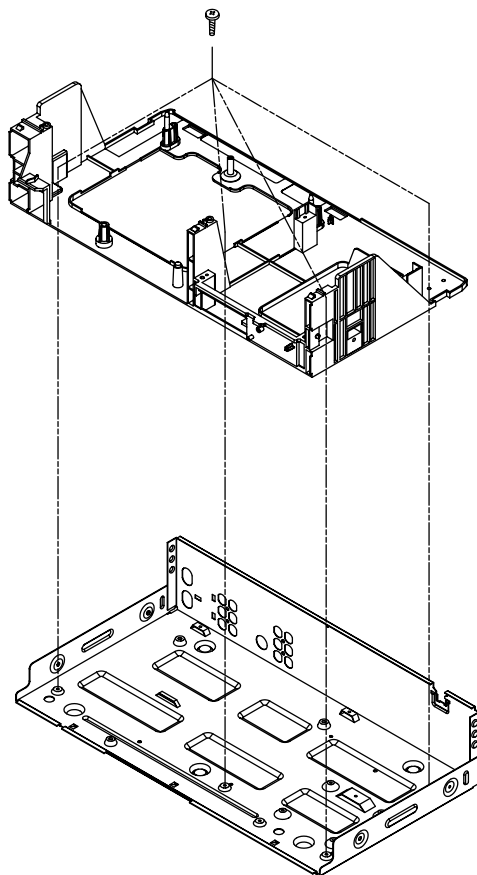
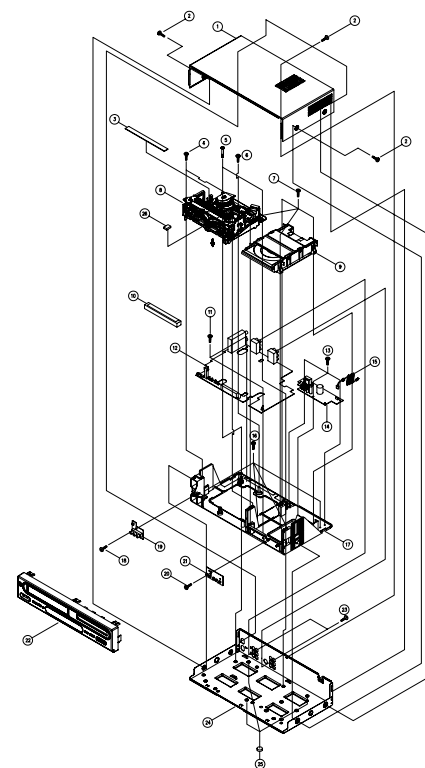


FIG. 6

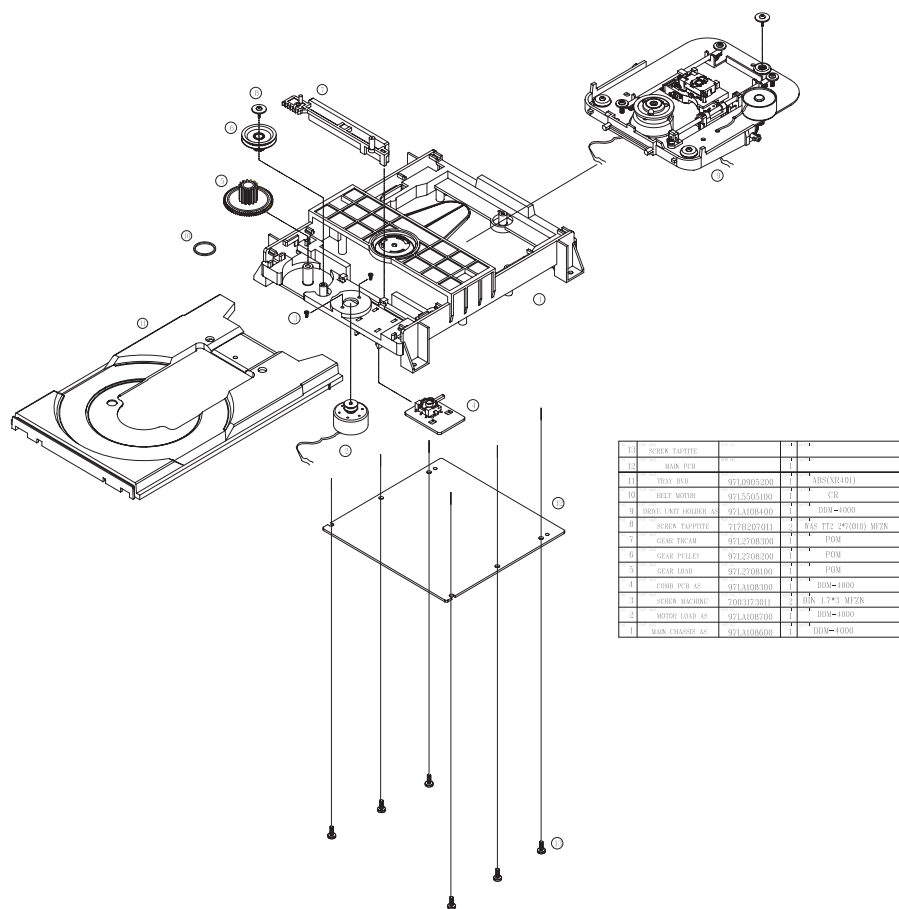
G. Explode view



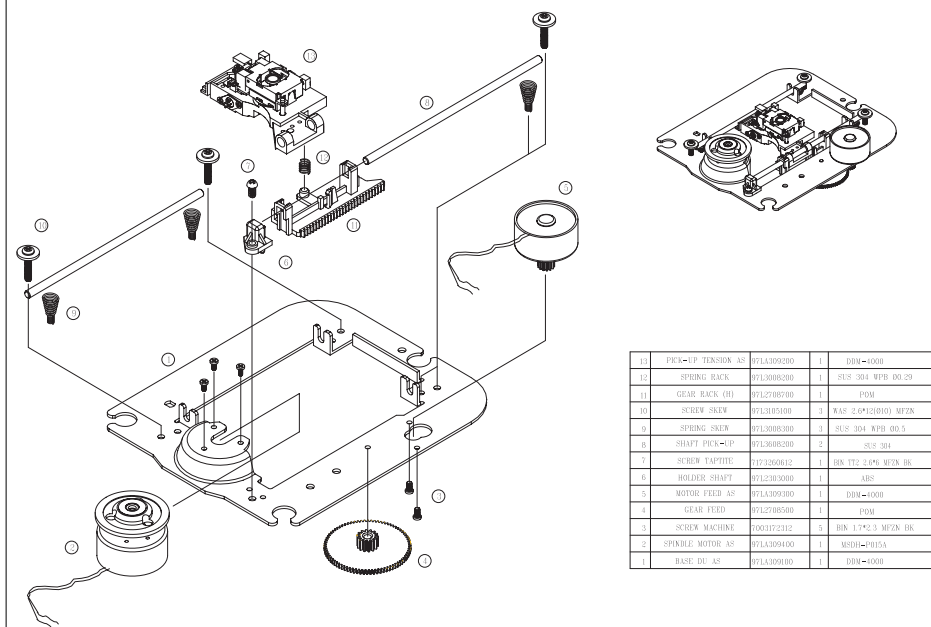
26	CUSHION TOP	97P4219500	1	EVA 20X14	DV6T91
25	CUSHION LEG	97P4220000	3	EVA T2.0	
24	COVER BOTTOM	97P0482800	1	SECC T0.8	
23	SCREW TAPPTITE	7174301011	6	TT2 RND 3X10 MFZN	B/COVER+M/CHASSIS FIX
22	PANEL FRONT AS	97PP328010	1		
21	PCB TACT S/W		1		
20	SCREW TAPPTITE	7173300811	1	TT2 RND 3X8 MFZN	PCB TACT S/W FIX
19	PCB JACK A/V		1		
18	SCREW TAPPTITE	7173300811	1	TT2 RND 3X8 MFZN	PCB JACK A/V FIX
17	CHASSIS MAIN	97P0612710	1	HIPS(HB)	
16	SCREW TAPPTITE	7173300811	4	TT2 RND 3X8 MFZN	B/COVER+M/CHASSIS FIX
15	CORD POWER AS	97P69B9Y1A	1	USA KKP-10W YH396	
14	PCB POWER MANUAL AS	PVPWMSN672	1		
13	SCREW TAPPTITE	7173300811	3	TT2 RND 3X8 MFZN	POWER PCB FIX
12	PCB MAIN MANUAL AS	PVMPMSN672	1		
11	SCREW TAPPTITE	7173300811	2	TT2 RND 3X8 MFZN	M/PCB FIX
10	DOOR DVD	97P1825800	1	ABS	
9	DVD COMBI	97QD020100	1		DVS LOADER
8	VCR DECK AS(T60)	PVDKARN60	1	DRN-T610R NON	
7	SCREW TAPPTITE	7174301211	4	TT2 RND 3X12 MFZN	LOADER FIX
6	SCREW TAPPTITE	7174301211	2	TT2 RND 3X12 MFZN	DECK FIX
5	SCREW DECK MACHINE	97P3119800	3	BIND 4X24 MFZN	DECK FIX
4	SCREW TAPPTITE	7174301211	2	TT2 BIN 4X12 MFZN	DECK FIX
3	CUSHION TOP PLATE	97P4219700	1	EVA(SOFT) T=1 175X8	
2	SCREW TAPPTITE	7173300812	5	TT2 BIN 3X8 MFZN BK	COVER TOP FIX
1	COVER TOP	97P0482100	1	PCM T0.6	
N 0	PART NAME	PART NO.	QTY	MATERIAL	REMARK

2. DVD Module(DAEWOO DQL-10XX)DISASSEMBLY

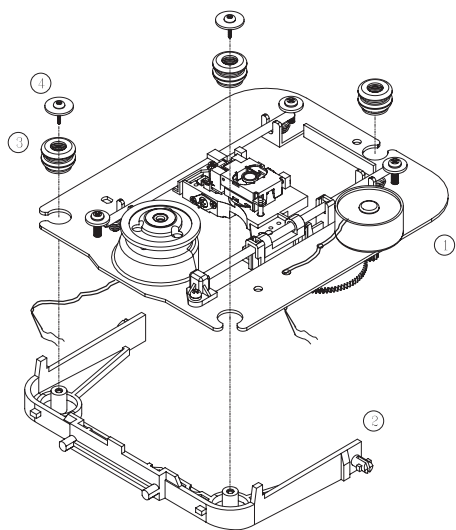
A. DECK TOTAL DVD AS



B. DRIVE UNIT AS

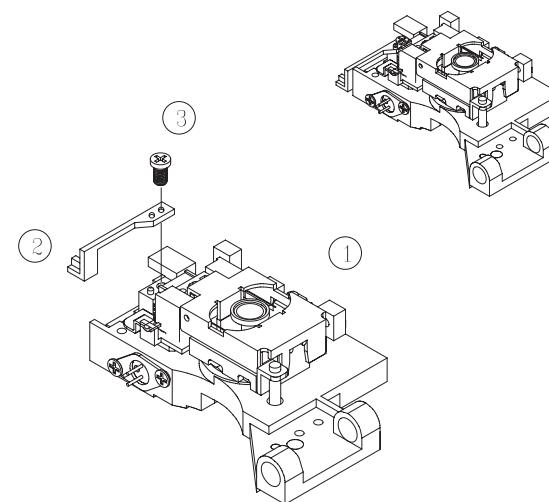


C. DRIVE UNIT HOLDER AS



4	PART NAME	SCREW TEPPTITE	PART NO.	7178207011	QUANTITY	2	MATERIAL	WAS TT2 2*7(010) MFZN	REMARK
3	PART NAME	DAMPER DVD	PART NO.	97L2602400	QUANTITY	3	MATERIAL	BUTHIL	REMARK
2	PART NAME	HOLDER DU	PART NO.	97L2305100	QUANTITY	1	MATERIAL	ABS	REMARK
1	PART NAME	DRIVE UNIT AS	PART NO.	97LA209100	QUANTITY	1	MATERIAL	DDM-4000	REMARK

D. PICK-UP TENSION AS



3	PART NAME	SCREW TEPPTITE	PART NO.	7173170412	QUANTITY	1	MATERIAL	BIN TT2 1.7*4 MFZN BK	REMARK
2	PART NAME	TENSION PU	PART NO.	97L3007700	QUANTITY	1	MATERIAL	POM	REMARK
1	PART NAME	PICK-UP	PART NO.	97L8000400	QUANTITY	1	MATERIAL	SPU-3162	REMARK

ELECTRICAL PARTSLIST

✓ **Caution:** In this Service Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center.

LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK	LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK
03	PVMCASN679	CHASSIS MAIN AS	DCSD85D1N-PS		C259	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)	Hi-Fi
P401A	97P8FBFB15	CABLE FFC	1.0 R 1P 150MM		C260	CCZL1H153K	C CERA	50V HKB 0.015MF K AX(L)(608)	Hi-Fi
P402A	97P8FBK15	CABLE FFC	1.0R 1P 150MM		C261	CBZP1C103M	C CERA SEMI	16V YSS 0.01MF M (AXIAL)	Hi-Fi
Z001	PVMPMSN769	PCB MAIN MANUAL AS	DCSD85D1N-PS		C262	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	Hi-Fi
C101	CEXF1A471V	C ELECTRO	10V RSS 470MF (8X11.5) TP		C263	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	Hi-Fi
C102	CBZP1C103M	C CERA SEMI	16V YSS 0.01MF M (AXIAL)		C264	CCZJ1H104Z	C CERA	50V HIKF 0.1MF Z AX(L)(1608)	Hi-Fi
C103	CCZJ1H104Z	C CERA	50V HIKF 0.1MF Z AX(L)(1608)		C265	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	Hi-Fi
C104	HCFH104ZBA	C CHIP CERA	25V Y5V 0.022MF Z 1608		C266	CEXF1H228A	C ELECTRO	50V RSM 0.22MF (4X7)	Hi-Fi
C105	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		C267	CCZL1H153K	C CERA	50V HKB 0.015MF K AX(L)(608)	Hi-Fi
C107	HCBK809DBA	C CHIP CERA	50V CH 8PF D 1608		C268	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)	Hi-Fi
C108	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP		C269	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	Hi-Fi
C109	CBZP1C103M	C CERA SEMI	16V YSS 0.01MF M (AXIAL)	MONO	C270	CEXF1C330A	C ELECTRO	16V RSM 33MF (6.3X7) TP	Hi-Fi
C111	CEXF1A470A	C ELECTRO	35V 47MF RSM	MONO	C271	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	Hi-Fi
C111G	CBZP1C103M	C CERA SEMI	16V YSS 0.01MF M (AXIAL)		C272	CXEOJ221S	C ELECTRO	6.3V RSA 220MF 6.3X7	Hi-Fi
C112G	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		C273	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	Hi-Fi
C115	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		C274	CCZJ1H473Z	C CERA	50V F 0.047MF Z AX(L)(608)	Hi-Fi
C120	CCZJ1H104Z	C CERA	50V HIKF 0.1MF Z AX(L)(1608)		C275	CEXF1H339A	C ELECTRO	50V RSM 3.3MF 4X7	Hi-Fi
C121	CCZJ1H104Z	C CERA	50V HIKF 0.1MF Z AX(L)(1608)		C276	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	Hi-Fi
C123	CEXF1A471V	C ELECTRO	10V RSS 470MF (8X11.5) TP		C277	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
C127	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		C278	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	MONO
C131	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		C279	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	Hi-Fi
C135	CEXF1A471V	C ELECTRO	10V RSS 470MF (8X11.5) TP		C280G	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	Hi-Fi
C136	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		C281	CEXF1H229A	C ELECTRO	50V RSM 2.2MF (4X7) TP	Hi-Fi
C137	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		C282	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	MONO
C139	85801060TA	WIRE COPPER	0.6X52MM TAPING	MONO	C283	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
C201	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		C283G	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	Hi-Fi
C201M	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	MONO	C284	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	MONO
C202	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		C285	CBZP1C103M	C CERA SEMI	16V YSS 0.01MF M (AXIAL)	Hi-Fi
C202M	CCZJ1H104Z	C CERA	50V HIKF 0.1MF Z AX(L)(1608)		C285G	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	Hi-Fi
C204	HCBK122KBA	C CHIP CERA	50V X7R 1200PF K 1608		C286	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	MONO
C206	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		C287	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	Hi-Fi
C208	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		C287G	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	MONO
C209	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		C288	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)	Hi-Fi
C210	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)		C288G	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	Hi-Fi
C212	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7		C289	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	MONO
C216	HCBK821JBA	C CHIP CERA	50V CH 820PF J 1608		C290	CCZJ1H104Z	C CERA	50V HIKF 0.1MF Z AX(L)(1608)	MONO
C217	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		C290	85801060TA	WIRE COPPER	0.6X52MM TAPING	Hi-Fi
C219	QMNMA2A43J	C MYLAR	100V 0.024MF J (TP)		C290M	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	Hi-Fi
C220	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		C292	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	Hi-Fi
C222	HCBK333KBA	C CHIP CERA	50V X7R 0.033MF K 1608		C293	CEXF1H339A	C ELECTRO	50V RSM 3.3MF 4X7	
C223	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	Hi-Fi	C294	CCZJ1H104Z	C CERA	50V HIKF 0.1MF Z AX(L)(1608)	Hi-Fi
C228	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	Hi-Fi	C295	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	
C245	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	MONO	C295G	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	Hi-Fi
C251	CCZJ1H104Z	C CERA	50V HIKF 0.1MF Z AX(L)(1608)	Hi-Fi	C296	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	
C251G	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	MONO	C296G	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	Hi-Fi
C252	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	Hi-Fi	C297	CEXF1E470A	C ELECTRO	25V Y5V 0.1MF Z 1608	
C252G	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	MONO	C299	CCZJ1H104Z	C CERA	50V HIKF 0.1MF Z AX(L)(1608)	
C253	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	Hi-Fi	C301	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
C253G	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	MONO	C302	CCZB1H391K	C CERA	50V B 390PF K (AXIAL)	
C254	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	Hi-Fi	C303	CCZJ1H104Z	C CERA	50V HIKF 0.1MF Z AX(L)(1608)	
C254G	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	Hi-Fi	C304	HCBK181JBA	C CHIP CERA	50V CH 180PF J 1608	
C255	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	Hi-Fi	C305	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
C256	CEXF1H100A	C ELECTRO	50V RSM 10MF (5X7) TP	Hi-Fi	C306	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C257	CEXF1C330A	C ELECTRO	16V RSM 33MF (6.3X7) TP	Hi-Fi	C307	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
C258	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	Hi-Fi	C308	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)	

ELECTRICAL PARTSLIST

LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK	LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK
C309	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7		C657	CCEP1A101A	C ELECTRO	10V REM 100MF 6.3X5 5T	
C310	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		C658	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
C311	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7		C659	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608	
C312	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		C660	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
C313	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7		C661	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
C314	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7		C662	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
C315	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		C663	CEXF1E470A	C ELECTRO	25V RSM 47MF 6.3*7	
C316	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		C664	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608	
C317	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		C665	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
C318	CBZP1C103M	C CERA SEMI	16V YSS 0.01MF M (AXIAL)		C666	CEXF1E470A	C ELECTRO	25V RSM 47MF 6.3*7	
C319	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		C667	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C320	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		C701	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C321	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		C702	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
C322	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		C751	CEXF1A471V	C ELECTRO	10V RSS 470MF (8X11.5) TP	
C323	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		C752	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
C324	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		C842	CEXF1A221V	C ELECTRO	10V RSS 220MF	
C325	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		C843	CEXF1A221V	C ELECTRO	10V RSS 220MF	
C326	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		C844	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C327	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		C845	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C328	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608		C846	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C329	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP		C847	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C330	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		C848	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C331	CBZP1C103M	C CERA SEMI	16V YSS 0.01MF M (AXIAL)		C851	CEXF1A221V	C ELECTRO	10V RSS 220MF	
C332	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		C852	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C333	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608		C853	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C334	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608		C854	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C335	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608		C855	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C336	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		C856	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C337	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		CD01	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)	Hi-Fi
C338	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		CD02	HRSF000-BA	R CHIP	1/16 0 OHM 1608	
C339	85801060TA	WIRE COPPER	0.6X52MM TAPING		CD04	HCBK331JBA	C CHIP CERA	50V CH 330PF J 1608	
C340	85801060TA	WIRE COPPER	0.6X52MM TAPING		CD05	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	
C341	85801060TA	WIRE COPPER	0.6X52MM TAPING		CD08	CEXF1C220A	C ELECTRO	16V RSM 22MF (5X7)	Hi-Fi
C342	CCEP1A101A	C ELECTRO	10V REM 100MF 6.3X5 5T		CD09	HRSF000-BA	R CHIP	1/16 0 OHM 1608	
C601	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		CD11	HCBK331JBA	C CHIP CERA	50V CH 330PF J 1608	
C602	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CD12	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7	
C603	HCBK130JBA	C CHIP CERA	50V CH 13PF J 1608		CD64	HCBK182KBA	C CHIP CERA	X7R 50V 1800PF K 1608	MONO
C604	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		CD71	HCBK182KBA	C CHIP CERA	X7R 50V 1800PF K 1608	MONO
C607	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608		CD82	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C608	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608		CD83	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
C609	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608		CD95	CCZJ1H104Z	C CERA	50V HIKF 0.1MF Z AX(L)(1608)	
C610	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608		CD96	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
C611	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CS01	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
C612	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		CS02	HCBK471JBA	C CHIP CERA	50V CH 470PF J 1608	
C613	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		CS03	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
C614	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		CS04	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
C615	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CS05	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP	
C616	CCZJ1H104Z	C CERA	50V HIKF 0.1MF Z AX(L)(1608)		CS06	CEXF1H109A	C ELECTRO	50V RSM 1MF (4X7) TP	
C617	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		CS07	HCBK201JBA	C CHIP CERA	50V CH 200PF J 1608	Hi-Fi
C651	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608		CS08	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608	
C652	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608		D253	DZN4148 -	DIODE	1N4148 AUTO 52MM	
C653	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608		D301	DZN4148 -	DIODE	1N4148 AUTO 52MM	
C654	CCEP1A470A	C ELECTRO	10V REM 47MF		D602A	DZN4148 -	DIODE	1N4148 AUTO 52MM	
C655	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608		D604	DZN4148 -	DIODE	1N4148 AUTO 52MM	
C656	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		D605	DZN4148 -	DIODE	1N4148 AUTO 52MM	

ELECTRICAL PARTSLIST									
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LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK	LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK
D806	DZN4148 -	DIODE	1N4148 AUTO 52MM		JP148	85801060TA	WIRE COPPER	0.6X52MM TAPING	
D701	DZN4148 -	DIODE	1N4148 AUTO 52MM		JP151	85801060TA	WIRE COPPER	0.6X52MM TAPING	
D841	DZUZ3R6BSB	DIODE ZENER	UZ-5.6BSB(5.46-5.70V)		JP153	85801060TA	WIRE COPPER	0.6X52MM TAPING	
D842	DZUZ3R9BSB	DIODE ZENER	UZ-3.9BSB(3.92-4.14)		JP154	85801060TA	WIRE COPPER	0.6X52MM TAPING	
D843	DZN4004 -	DIODE	1N4004(AUTO)		JP163	85801060TA	WIRE COPPER	0.6X52MM TAPING	
D844	RN-AZ50F-	R METAL FILM	1/6 50 OHM F(1%)		JP167	85801060TA	WIRE COPPER	0.6X52MM TAPING	
D846	DZN4004 -	DIODE	1N4004(AUTO)		JP168	85801060TA	WIRE COPPER	0.6X52MM TAPING	
D851	DZUZ13BSB-	DIODE ZENER	UZ-13BSB(12.59-13.16V)		JP175	85801060TA	WIRE COPPER	0.6X52MM TAPING	
D852	DZUZ33BSB-	DIODE ZENER	UZ-33BSB(30.32-31.38V)		JP178	85801060TA	WIRE COPPER	0.6X52MM TAPING	
D853	DZUZ5R1BSB	DIODE ZENER	UZ-5.1BSB(4.97-5.18V)		JP179	85801060TA	WIRE COPPER	0.6X52MM TAPING	
D854	DZN4148 -	DIODE	1N4148 AUTO 52MM		JP182	85801060TA	WIRE COPPER	0.6X52MM TAPING	
D857	DZN4004 -	DIODE	1N4004(AUTO)		JP183	85801060TA	WIRE COPPER	0.6X52MM TAPING	
D858	DZN4004 -	DIODE	1N4004(AUTO)	Hi-Fi	JP184	85801060TA	WIRE COPPER	0.6X52MM TAPING	
H701	10RC356VF4	IC UNIT R/RECEIVER	ORC-356VF4(38KHZ)	MONO	JP186	85801060TA	WIRE COPPER	0.6X52MM TAPING	
IC251	1AN3663 -	IC HIFI	AN3663		JP192	85801060TA	WIRE COPPER	0.6X52MM TAPING	
IC252	1HEF4053BD	IC CHIP	HEF4053B		JP196	85801060TA	WIRE COPPER	0.6X52MM TAPING	
IC301	1LA1207M-	IC AV	LA1207M QFP 80PIN		JP211	85801060TA	WIRE COPPER	0.6X52MM TAPING	
IC303	1HEF4053BD	IC CHIP	HEF4053B		JP212	85801060TA	WIRE COPPER	0.6X52MM TAPING	
IC601	168KT88QTS	IC MICOM	M3776AMBA-1C9GP	Hi-Fi	JP213	85801060TA	WIRE COPPER	0.6X52MM TAPING	
IC701	1LD1207 E	IC CHIP LED DISPLAY DRIVER	LD1207 24 SOP REEL	MONO	JP216	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JK101	97P6318210	JACK PIN	DPAM-0274		JP226	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JK101	97P6318220	JACK PIN	DPAM-0290		JP236	85801060TA	WIRE COPPER	0.6X52MM TAPING	Hi-Fi
JK102	97P6318540	JACK PIN	YPJ611D 6P ANG TYPE	Hi-Fi	JP301	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JK105	97P6318010	JACK PIN(S-VHS)	DJAE-9812	MONO	JP302	85801060TA	WIRE COPPER	0.6X52MM TAPING	Hi-Fi
JK701	97P6316800	JACK PIN	DPSE-9966		JP303	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JK701	97P6318000	JACK PIN	DJSE-0194		JP304	85801060TA	WIRE COPPER	0.6X52MM TAPING	Hi-Fi
JP006	85801060TA	WIRE COPPER	0.6X52MM TAPING		JP305	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JP007	85801060TA	WIRE COPPER	0.6X52MM TAPING		JP308	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JP011	85801060TA	WIRE COPPER	0.6X52MM TAPING		JP309	85801060TA	WIRE COPPER	0.6X52MM TAPING	MONO
JP014	85801060TA	WIRE COPPER	0.6X52MM TAPING		JP311	85801060TA	WIRE COPPER	0.6X52MM TAPING	MONO
JP018	85801060TA	WIRE COPPER	0.6X52MM TAPING		JP356	85801060TA	WIRE COPPER	0.6X52MM TAPING	MONO
JP020	85801060TA	WIRE COPPER	0.6X52MM TAPING	Hi-Fi	JP357	85801060TA	WIRE COPPER	0.6X52MM TAPING	MONO
JP023	85801060TA	WIRE COPPER	0.6X52MM TAPING		JP401	85801060TA	WIRE COPPER	0.6X52MM TAPING	MONO
JP036	85801060TA	WIRE COPPER	0.6X52MM TAPING	Hi-Fi	JP402	85801060TA	WIRE COPPER	0.6X52MM TAPING	MONO
JP037	85801060TA	WIRE COPPER	0.6X52MM TAPING		JP403	85801060TA	WIRE COPPER	0.6X52MM TAPING	MONO
JP048	85801060TA	WIRE COPPER	0.6X52MM TAPING		JP404	85801060TA	WIRE COPPER	0.6X52MM TAPING	MONO
JP049	85801060TA	WIRE COPPER	0.6X52MM TAPING		JP405	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JP061	85801060TA	WIRE COPPER	0.6X52MM TAPING		JP406	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JP070	85801060TA	WIRE COPPER	0.6X52MM TAPING		L101	5CPX150J2T	COIL PEAKING	150UH(GREN-BLK)	
JP073	85801060TA	WIRE COPPER	0.6X52MM TAPING		L102	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
JP074	85801060TA	WIRE COPPER	0.6X52MM TAPING		L103	5CPX688K2T	COIL PEAKING	68UH(BLU-SILV)	
JP075	85801060TA	WIRE COPPER	0.6X52MM TAPING		L104	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)	
JP076	85801060TA	WIRE COPPER	0.6X52MM TAPING		L105	5CPZ121K02	COIL PEAKING	100UH K (AXIAL 3.5MM)	
JP078	85801060TA	WIRE COPPER	0.6X52MM TAPING		L106	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JP082	85801060TA	WIRE COPPER	0.6X52MM TAPING		L107	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JP086	85801060TA	WIRE COPPER	0.6X52MM TAPING		L108	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JP089	85801060TA	WIRE COPPER	0.6X52MM TAPING		L110	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JP101	85801060TA	WIRE COPPER	0.6X52MM TAPING		L111	85801060TA	WIRE COPPER	0.6X52MM TAPING	
JP107	85801060TA	WIRE COPPER	0.6X52MM TAPING		L201	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)	Hi-Fi
JP114	85801060TA	WIRE COPPER	0.6X52MM TAPING		L202	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)	MONO
JP117	85801060TA	WIRE COPPER	0.6X52MM TAPING		L251	5CPX680J2T	COIL PEAKING	68UH(BLU-BLK)	Hi-Fi
JP122	85801060TA	WIRE COPPER	0.6X52MM TAPING		L251G	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)	MONO
JP128	85801060TA	WIRE COPPER	0.6X52MM TAPING		L252	5CPX680J2T	COIL PEAKING	68UH(BLU-BLK)	
JP143	85801060TA	WIRE COPPER	0.6X52MM TAPING		L252G	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)	
JP147	85801060TA	WIRE COPPER	0.6X52MM TAPING		L253	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)	

ELECTRICAL PARTSLIST									
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LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK	LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK
L301	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)		Q854	TZTC3205Y-	TR	KTC3205Y (2236Y)	
L302	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)		QD01	TZTC3198Y-	TRANSISTOR	KTC3198Y-(1815Y) (AUTO)	
L303	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)		QD02	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)	
L304	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)		QD03	TZTC3198Y-	TRANSISTOR	KTC3198Y-(1815Y) (AUTO)	
L305	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)		QD04	TZTC3198Y-	TRANSISTOR	KTC3198Y-(1815Y) (AUTO)	
L306	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)		R101	RD-AZ243J-	R CARBON FILM	1/6 24K OHM J	
L307	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)		R102	HRFS750JBA	R CHIP	1/16 75 OHM J 1608	
L601	5CPX120J	COIL PEAKING	12UH J (RADIAL)		R103	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
L851	56C220K686	COIL CHOKE	22UH K 27.5X0.4D	Hi-Fi	R104	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
L852	56C220K686	COIL CHOKE	22UH K 27.5X0.4D		R106	RD-AZ471JUS	R CARBON FILM	1/4 470 OHM J SMALL	
LD03	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)		R107	RD-AZ471JUS	R CARBON FILM	1/4 470 OHM J SMALL	
LD701	DEB83D1N	LED DISPLAY	EB83D1N-F425-2SRVYWB		R108	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
LD81	5CPX101J2T	COIL PEAKING	100UH(BRN-BRN)		R109	HRFS750JBA	R CHIP	1/16 75 OHM J 1608	MONO
LS01	5CPX680J2T	COIL PEAKING	68UH(BLU-BLK)		R111	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
P201	97P62Y1318	CONN WAFER	DWV250 PLUG 2.5MM 8P	Hi-Fi	R111G	HRFS272JBA	R CHIP	1/16 27K OHM J 1608	MONO
P202	97P62T14B2	CONN HOUSING	TMC-EX-B1 RECEP 2.0MM 2P	MONO	R112	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
P301	97P62G06DA	CONN FFC	GF120-10S-TS 10P ST		R112G	HRFS122JBA	R CHIP	1/16 1.2K OHM J 1608	
P301	97P62G06D7	CONN FFC	GF120-07S-TS 07P ST		R114B	HRFS750JBA	R CHIP	1/16 75 OHM J 1608	
P301A	97P0478200	CASE SHI PREAMP	ET T04		R115	RD-AZ750JUS	R CARBON FILM	1/4 75 OHM J SMALL	
P401	97P62G08EB	CONN FFC	GF102-11S-TS 11P ST		R117B	HRFS750JBA	R CHIP	1/16 75 OHM J 1608	
P401A	97P88FBB15	CABLE FFC	1.0 R 11P 150MM		R118	RD-AZ750JUS	R CARBON FILM	1/4 75 OHM J SMALL	
P402	97P62G08EK	CONN FFC	GF102-19S-TS 19P ST		R120B	HRFS3000-BA	R CHIP	1/16 0 OHM 1608	
P402A	97P88FBK15	CABLE FFC	1.0R 19P 150MM		R123	HRFS750JBA	R CHIP	1/16 75 OHM J 1608	
P601	97P62J012C	CONN BB	JE612 PLUG 2.0 12P		R124	RD-AZ750JUS	R CARBON FILM	1/4 75 OHM J SMALL	
P603	97P88SX220	CONN AS	2S-2A 120MM		R126	HRFS750JBA	R CHIP	1/16 75 OHM J 1608	
P604	97P62M05A6	CONN BB	35238 RECEP 2.5MM 6P		R127	RD-AZ750JUS	R CARBON FILM	1/4 75 OHM J SMALL	MONO
P702	97P62M06A6	CONN BB	35337 PLUG 2.5MM 6P		R201	HRFS912JBA	R CHIP	1/16 9.1K OHM J 1608	
P804	97P62Y17AA	CONN WAFER	DWV025-10 ST PLUG 2.5MM		R201M	HRFS303JBA	R CHIP	1/16 30K OHM J 1608	MONO
PT01	97P6269000	CONN WAFER	00-8283-0612-00000		R202	HRFS912JBA	R CHIP	1/16 9.1K OHM J 1608	
Q102	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)		R202M	HRFS432JBA	R CHIP	1/16 4.3K OHM J 1608	MONO
Q103	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)		R203	HRFS334JBA	R CHIP	1/16 330K OHM J 1608	
Q104	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)		R203M	RD-AZ303J-	R CARBON FILM	1/6 30K OHM J	MONO
Q106	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)		R204	RD-AZ121J-	R CARBON FILM	1/6 120 OHM J	
Q107	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)		R204M	HRFS432JBA	R CHIP	1/16 4.3K OHM J 1608	
Q201	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)		R205	HRFS273JBA	R CHIP	1/16 27K OHM J 1608	
Q202	TZTC3202Y-	TR	KTC3202Y (AUTO)(1959Y)		R206	HRFS821JBA	R CHIP	1/16 820 OHM J 1608	MONO
Q203	TZTC3198Y-	TRANSISTOR	KTC3198Y-(1815Y) (AUTO)		R207	HRFS2223JBA	R CHIP	1/16 22K OHM J 1608	
Q204	TZTC3198Y-	TRANSISTOR	KTC3198Y-(1815Y) (AUTO)		R212	HRFS432JBA	R CHIP	1/16 4.3K OHM J 1608	
Q205	TZTA1266Y-	TR	KTA1266Y- (AUTO)(1015Y)		R213	HRFS303JBA	R CHIP	1/16 30K OHM J 1608	
Q206	T2SC2412KB	TR CHIP	2SC2412K-T146-BR		R221	HRFS333JBA	R CHIP	1/16 33K OHM J 1608	
Q251	TZTC3198Y-	TRANSISTOR	KTC3198Y-(1815Y) (AUTO)	MONO	R222	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J	
Q252	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	MONO	R223	HRFS182JBA	R CHIP	1/16 1.8K OHM J 1608	
Q253G	T2SC2412KB	TR CHIP	2SC2412K-T146-BR		R224	HRFS470JBA	R CHIP	1/16 47 OHM J 1608	
Q254G	T2SC2412KB	TR CHIP	2SC2412K-T146-BR		R227	HRFS202JBA	R CHIP	1/16 2K OHM J 1608	
Q301	T2SA1037KB	TR CHIP	2SA1037AKT146-R		R228	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
Q303	T2SC2412KB	TR CHIP	2SC2412K-T146-BR		R229	HRFS103JBA	R CHIP	1/16 10K OHM J 1608	
Q304	T2SA1037KB	TR CHIP	2SA1037AKT146-R		R230	HRFS2223JBA	R CHIP	1/16 22K OHM J 1608	
Q841	TZTA1273Y-	TR	KTA1273Y(966Y)		R231	HRFS229JBA	R CHIP	1/16 2.2 OHM J 1608	MONO
Q842	TZTC3198Y-	TRANSISTOR	KTC3198Y-(1815Y) (AUTO)		R232	HRFS229JBA	R CHIP	1/16 2.2 OHM J 1608	Hi-Fi
Q843	TZTC3205Y-	TR	KTC3205Y (2236Y)		R251G	HRFS103JBA	R CHIP	1/16 10K OHM J 1608	MONO
Q845	TZTC3205Y-	TR	KTC3205Y (2236Y)		R252	HRFS563JBA	R CHIP	1/16 56K OHM J 1608	Hi-Fi
Q847	1AP1117T	IC REGULATOR	AP1117T ADJ 2% TO-220		R252G	HRFS103JBA	R CHIP	1/16 10K OHM J 1608	MONO
Q851	TZTC3205Y-	TR	KTC3205Y (2236Y)		R253	RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J	MONO
Q852	TZTC3198Y-	TRANSISTOR	KTC3198Y-(1815Y) (AUTO)		R253G	HRFS474JBA	R CHIP	1/16 470K OHM J 1608	Hi-Fi
Q853	TZTC3205Y-	TR	KTC3205Y (2236Y)		R253M	RD-AZ133J-	R CARBON FILM	1/6 13K OHM J	MONO

ELECTRICAL PARTSLIST

LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK	LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK
R254	HRFS563J.BA	R CHIP	1/16 58K OHM J 1608	MONO	R320	RD-AZ183J-	R CARBON FILM	1/6 18K OHM J	
R254G	HRFS474J.BA	R CHIP	1/16 470K OHM J 1608	Hi-Fi	R321	HRFS103J.BA	R CHIP	1/16 10K OHM J 1608	
R254M	RD-AZ133J-	R CARBON FILM	1/6 13K OHM J	Hi-Fi	R322	RD-AZ203J-	R CARBON FILM	1/6 20K OHM J	
R255	HRFS682J.BA	R CHIP	1/16 6.8K OHM J 1608	MONO	R323	HRFS363J.BA	R CHIP	1/16 36K OHM J 1608	
R256	HRFS563J.BA	R CHIP	1/16 56K OHM J 1608	MONO	R324	HRFS273J.BA	R CHIP	1/16 27K OHM J 1608	
R256	HRFS000-BA	R CHIP	1/16 0 OHM 1608	Hi-Fi	R325	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R256G	HRFS474J.BA	R CHIP	1/16 470K OHM J 1608	MONO	R326	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R257	HRFS682J.BA	R CHIP	1/16 6.8K OHM J 1608	Hi-Fi	R327	HRFS132J.BA	R CHIP	1/16 1.3K OHM J 1608	
R257G	HRFS102J.BA	R CHIP	1/16 1K OHM J 1608	Hi-Fi	R328	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R258	RD-AZ563J-	R CARBON FILM	1/6 56K OHM J	MONO	R329	85801060TA	WIRE COPPER	0.6X52MM TAPING	
R259	RD-AZ682J-	R CARBON FILM	1/6 6.8K OHM J	Hi-Fi	R331	HRFS203J.BA	R CHIP	1/16 20K OHM J 1608	
R260G	HRFS153J.BA	R CHIP	1/16 470K OHM J 1608		R332	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R263	RD-AZ243J-	R CARBON FILM	1/6 24K OHM J	MONO	R344	HRFS392J.BA	R CHIP	1/16 3.9K OHM J 1608	
R264	HRFS561J.BA	R CHIP	1/16 560 OHM J 1608	MONO	R345	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J	
R264G	HRFS225J.BA	R CHIP	1/16 2.2M OHM J 1608		R349	RD-AZ203J-	R CARBON FILM	1/6 20K OHM J	
R265G	HRFS225J.BA	R CHIP	1/16 2.2M OHM J 1608	MONO	R350	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R266	HRFS561J.BA	R CHIP	1/16 560 OHM J 1608	MONO	R352	HRFS102J.BA	R CHIP	1/16 1K OHM J 1608	
R266G	HRFS133J.BA	R CHIP	1/16 13K OHM J 1608	Hi-Fi	R595	RV5426104M	R SEMI FIXED	H100K-5X3-6Y-PC-MS	
R267G	HRFS133J.BA	R CHIP	1/16 13K OHM J 1608	MONO	R601	HRFS102J.BA	R CHIP	1/16 1K OHM J 1608	
R268	HRFS561J.BA	R CHIP	1/16 560 OHM J 1608	MONO	R602	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R268	HRFS912J.BA	R CHIP	1/16 9.1K OHM J 1608		R603	HRFS103J.BA	R CHIP	1/16 10K OHM J 1608	
R268G	HRFS153J.BA	R CHIP	1/16 15K OHM J 1608	MONO	R603A	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R269	HRFS392J.BA	R CHIP	1/16 3.9K OHM J 1608	MONO	R604	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R269G	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	Hi-Fi	R605	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R274	HRFS000-BA	R CHIP	1/16 0 OHM 1608	Hi-Fi	R606	HRFS273J.BA	R CHIP	1/16 27K OHM J 1608	
R271	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	Hi-Fi	R607	HRFS201J.BA	R CHIP	1/16 200 OHM J 1608	
R272	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	Hi-Fi	R608	HRFS273J.BA	R CHIP	1/16 27K OHM J 1608	
R273	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	Hi-Fi	R609	HRFS201J.BA	R CHIP	1/16 200 OHM J 1608	
R274	HRFS623J.BA	R CHIP	1/16 62K OHM J 1608	Hi-Fi	R611	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R275	HRFS752J.BA	R CHIP	1/16 7.5K OHM J 1608	Hi-Fi	R612	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R276	HRFS623J.BA	R CHIP	1/16 62K OHM J 1608		R613	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R277	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J		R614	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R291	HRFS225J.BA	R CHIP	1/16 2.2M OHM J 1608		R615	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R292	HRFS225J.BA	R CHIP	1/16 2.2M OHM J 1608		R616	RD-AZ244J-	R CARBON FILM	1/6 240K OHM J	
R295	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J		R617	RD-AZ244J-	R CARBON FILM	1/6 240K OHM J	
R296	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J		R618	RD-AZ244J-	R CARBON FILM	1/6 240K OHM J	
R301	HRFS363J.BA	R CHIP	1/16 36K OHM J 1608		R619	RD-AZ244J-	R CARBON FILM	1/6 240K OHM J	
R302	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J		R620	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
R303	HRFS182J.BA	R CHIP	1/16 1.8K OHM J 1608		R621	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R304	HRFS222J.BA	R CHIP	1/16 2.2K OHM J 1608		R622	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R305	HRFS104J.BA	R CHIP	1/16 100K OHM J 1608		R623	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R306	RD-AZ823J-	R CARBON FILM	1/6 82K OHM J		R624	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R308	RD-AZ684J-	R CARBON FILM	1/6 680K OHM J		R625	HRFS474J.BA	R CHIP	1/16 470K OHM J 1608	
R309	HRFS182J.BA	R CHIP	1/16 1.8K OHM J 1608		R627	RD-AZ133J-	R CARBON FILM	1/6 13K OHM J	
R310	HRFS182J.BA	R CHIP	1/16 1.8K OHM J 1608		R628	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
R311	HRFS122J.BA	R CHIP	1/16 1.2K OHM J 1608		R651	HRFS332J.BA	R CHIP	1/16 3.3K OHM J 1608	
R312	HRFS182J.BA	R CHIP	1/16 1.8K OHM J 1608		R652	RD-AZ131J-	R CARBON FILM	1/6 130 OHM J	
R313	RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J		R653	RD-AZ131J-	R CARBON FILM	1/6 130 OHM J	
R314	HRFS103J.BA	R CHIP	1/16 1K OHM J 1608		R654	HRFS103J.BA	R CHIP	1/16 10K OHM J 1608	
R315	HRFS822J.BA	R CHIP	1/16 8.2K OHM J 1608		R655	HRFS103J.BA	R CHIP	1/16 10K OHM J 1608	
R316	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		R656	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	
R317	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		R657	HRFS103J.BA	R CHIP	1/16 10K OHM J 1608	
R318	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	MONO	R658	RD-AZ473J-	R CARBON FILM	1/6 4.7K OHM J	
R319	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J		R659	RD-AZ122J-	R CARBON FILM	1/6 1.2K OHM J	
R319M	HRFS103J.BA	R CHIP	1/16 10K OHM J 1608		R660	RD-AZ203J-	R CARBON FILM	1/6 20K OHM J	

ELECTRICAL PARTSLIST

LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK	LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK
R661	HRFS103J.BA	R CHIP	1/16 10K OHM J 1608		RD84	CBZP1C103M	C CERA SEMI	16V YSS 0.01MF M (AXIAL)	
R662	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		RD83	HRFS220J.BA	R CHIP	1/16W 22 OHM J 1608	
R663	RD-AZ431J-	R CARBON FILM	1/6 430 OHM J		RD94	HRFS470J.BA	R CHIP	1/16 47 OHM J 1608	
R664	RNAZ103F-	R METAL FILM	1/6 10K OHM F		RD95	HRFS680J.BA	R CHIP	1/16 68 OHM J 1608	
R665	RNAZ103F-	R METAL FILM	1/6 10K OHM F		RF101	97P7621300	TUNER 3 IN 1	LGTMM-US6	
R666	RD-AZ912J-	R CARBON FILM	1/6 9.1K OHM J		RJ002	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R667	RD-AZ473J-	R CARBON FILM	1/6 47K OHM J		RJ003	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R682	HRFS104J.BA	R CHIP	1/16 100K OHM J 1608		RJ004	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R701	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J		RJ005	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R702	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J		RJ006	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R703	HRFS202J.BA	R CHIP	1/16 2K OHM J 1608		RJ007	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R704	RD-AZ511J-	R CARBON FILM	1/6 510 OHM J		RJ008	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R705	RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J		RJ010	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R706	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J		RJ011	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R707	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J		RJ012	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R710	RD-AZ752J-	R CARBON FILM	1/6 7.5K OHM J		RJ013	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R711	RD-AZ302J-	R CARBON FILM	1/6 3K OHM J		RJ014	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R712	RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J		RJ01R	HRFS000-BA	R CHIP	1/16 0 OHM 1608	MONO
R713	RD-AZ511J-	R CARBON FILM	1/6 510 OHM J	MONO	RJ02R	HRFS000-BA	R CHIP	1/16 0 OHM 1608	MONO
R716	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J		RJ057	HRFS000-BA	R CHIP	1/16 0 OHM 1608	Hi-Fi
R722	85801060TA	WIRE COPPER	0.6X52MM TAPING		RJ058	HRFS000-BA	R CHIP	1/16 0 OHM 1608	Hi-Fi
R724	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J		RJ060	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R725	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J		RJ061	HRFS000-BA	R CHIP	1/16 0 OHM 1608	Hi-Fi
R726	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J		RJ105	HRFS000-BA	R CHIP	1/16 0 OHM 1608	Hi-Fi
R731	RD-AZ750J-	R CARBON FILM	1/6 75 OHM J	MONO	RJ31B	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R751	RD-AZ513J-	R CARBON FILM	1/6 51K OHM J		RJ32B	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R752	RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J		RJ33B	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
R842	RD-AZ102JS	R CARBON FILM	1/4 1K OHM J SMALL		RJ34B	HRFS000-BA	R CHIP	1/16 0 OHM 1608	MONO
R843	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J		RJ37B	HRFS000-BA	R CHIP	1/16 0 OHM 1608	MONO
R844	RD-AZ561J-	R CARBON FILM	1/6 560 OHM J		RJ51M	HRFS000-BA	R CHIP	1/16 0 OHM 1608	MONO
R845	HRFS111J.BA	R CHIP	1/16 110 OHM J 1608		RJ52M	HRFS000-BA	R CHIP	1/16 0 OHM 1608	MONO
R846R	RNAZ101F-	R METAL FILM	1/6 100 OHM F (1%)		RJ53M	HRFS000-BA	R CHIP	1/16 0 OHM 1608	MONO
R851	RD-AZ123J-	R CARBON FILM	1/4 12K OHM J		RJ54M	HRFS000-BA	R CHIP	1/16 0 OHM 1608	MONO
R852	RD-AZ123J-	R CARBON FILM	1/4 12K OHM J		RJ55M	HRFS000-BA	R CHIP	1/16 0 OHM 1608	MONO
R853	HRFS272J.BA	R CHIP	1/16 2.7K OHM J 1608		RJ56M	HRFS000-BA	R CHIP	1/16 0 OHM 1608	MONO
R854	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J		RJ57M	HRFS000-BA	R CHIP	1/16 0 OHM 1608	MONO
R855	RD-AZ471JS	R CARBON FILM	1/4 470 OHM J SMALL		RJ58M	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
RD01	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		RJ59M	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
RD02	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J		RS01	HRFS102J.BA	R CHIP	1/16 1K OHM J 1608	
RD03	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	Hi-Fi	RS02	HRFS122J.BA	R CHIP	1/16 1.2K OHM J 1608	
RD05	HRFS000-BA	R CHIP	1/16 0 OHM 1608		RS03	HRFS102J.BA	R CHIP	1/16 1K OHM J 1608	
RD08	RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J		RS04	RD-AZ222J-	R CARBON FILM	1/6 2.2K OHM J	
RD09	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		RS05	RD-AZ101J-	R CARBON FILM	1/6 10 OHM J	
RD10	HRFS471J.BA	R CHIP	1/16 470 OHM J 1608		S603	97P0502700	SENSOR REEL	KPL261D	
RD11	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J		S604	97P0502700	SENSOR REEL	KPL261D	
RD13	HRFS221J.BA	R CHIP	1/16 220 OHM J 1608	Hi-Fi	SW601	55S0101100	SW DETE	MXS00921MPC0	
RD14	85801060TA	WIRE COPPER	0.6X52MM TAPING		SW651	5S10104200	SW MODE	MMS010102MB0	
RD17	RD-AZ132J-	R CARBON FILM	1/6 1.3K OHM J		SW702	55S0101297	SW TACT	THWV952GBA 9.5M AUTO	
RD18	RD-AZ223J-	R CARBON FILM	1/6 22K OHM J		SW703	55S0101297	SW TACT	THWV952GBA 9.5M AUTO	
RD19	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J		SW704	55S0101297	SW TACT	THWV952GBA 9.5M AUTO	
RD20	HRFS471J.BA	R CHIP	1/16 470 OHM J 1608		SW705	55S0101297	SW TACT	THWV952GBA 9.5M AUTO	
RD22	HRFS221J.BA	R CHIP	1/16 220 OHM J 1608		SW709	55S0101297	SW TACT	THWV952GBA 9.5M AUTO	
RD31	RD-AZ820J-	R CARBON FILM	1/6 8.2K OHM J	Hi-Fi	SW710	55S0101290	SW TACT	THWV502GDA	
RD81	HRFS000-BA	R CHIP	1/16 0 OHM 1608		SW711	55S0101290	SW TACT	THWV502GDA	
RD83	85801060TA	WIRE COPPER	0.6X52MM TAPING		SW712	55S0101290	SW TACT	THWV502GDA	

ELECTRICAL PARTSLIST									
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LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK	LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK
SW713	55S0101Z90	SW TACT	THVV502GDA		CM11	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
SW714	55S0101Z90	SW TACT	THVV502GDA		CM12	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
SW721	55S0101Z90	SW TACT	THVV502GDA		CM13	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
T201	560202.692	COIL OSC	DEO-006		CM14	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
X301	5XE3R579TB	CRYSTAL QUARTZ	HC-49UJ 3.579545MHZ 15PPM		CM15	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
Z004	PVMGMSU02	PCB MPEG MANUAL AS	DQL-3503-2N1 BS		CM16	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CE23	CEXK1C102L	C ELECTRO	16V 1000UF KXL (10X20)		CM17	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CN11	97P62G08EP	CONN FFC	GF102-23S-TS 23P ST		CM18	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CN12	97P62G08EP	CONN FFC	GF106-09S-LS 09P RA		CM19	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CN13	97P62G08EB	CONN FFC	GF102-11S-TS 11P ST		CM20	HQCK220JBA	C CHIP CERA	50V CH 22PF J 1608	
CN14	97P62G08EK	CONN FFC	GF102-19S-TS 19P ST		CP11	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CN15	97P62A23BA	CONN WAFER	440054-4 ST PLUG 4P		CP12	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA11	HCFF105ZBA	C CHIP CERA	16V Y5V 1MF Z 1608		CP13	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA12	HCFF105ZBA	C CHIP CERA	16V Y5V 1MF Z 1608		CP14	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA13	HCFF105ZBA	C CHIP CERA	16V Y5V 1MF Z 1608		CP15	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA14	HCFF105ZBA	C CHIP CERA	16V Y5V 1MF Z 1608		CP16	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA15	HCFF105ZBA	C CHIP CERA	16V Y5V 1MF Z 1608		CP17	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA17	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CP18	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA18	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CP19	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA19	HCBK222KBA	C CHIP CERA	50V XTR 2200PF K 1608		CP20	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA21	HCBK222KBA	C CHIP CERA	50V XTR 2200PF K 1608		CP21	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA23	HQCK331JBA	C CHIP CERA	50V CH 330PF J 1608		CP22	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA24	HQCK331JBA	C CHIP CERA	50V CH 330PF J 1608		CP23	HCBK103KBA	C CHIP CERA	50V XTR 0.01MF K 1608	
CA25	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CP24	HCBK222KBA	C CHIP CERA	50V XTR 2200PF K 1608	
CA26	HCBK153KBA	C CHIP CERA	50V XTR 0.015MF K 1608		CP25	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA27	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CP26	HCBK682KBA	C CHIP CERA	50V XTR 6800PF K 1608	
CA28	HQCK151JBA	C CHIP CERA	50V CH 150PF J 1608		CP27	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA29	HQCK151JBA	C CHIP CERA	50V CH 150PF J 1608		CP28	HCBK393KBA	C CHIP CERA	50V XTR 0.039MF K 1608	
CA30	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CP29	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA31	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CP30	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA33	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CP31	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA34	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CP32	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA35	HCBK152KBA	C CHIP CERA	50V XTR 1500PF K 1608		CP33	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA36	HCFF1042CA	C CHIP CERA	50V Y5V 0.1MF Z 2012		CP34	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA39	HQCK330JBA	C CHIP CERA	50V CH 33PF J 1608		CP35	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA40	HQCK330JBA	C CHIP CERA	50V CH 33PF J 1608		CP36	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA42	HCBK102KBA	C CHIP CERA	50V XTR 1000PF K 1608		CP37	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA43	HCFF473ZBA	C CHIP CERA	25V Y5V 0.047MF Z 1608		CP38	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA44	HCFF473ZBA	C CHIP CERA	25V Y5V 0.047MF Z 1608		CP39	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA45	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CP40	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA46	HQCK200JBA	C CHIP CERA	50V CH 20PF J 1608		CP41	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA47	HCBK102KBA	C CHIP CERA	50V XTR 1000PF K 1608		CP42	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA48	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CP43	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA49	HCBK333KBA	C CHIP CERA	50V XTR 0.033MF K 1608		CP44	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA50	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		CP45	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608	
CA51	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		IC11	1MT138EDQ	IC DVD 1 CHIP	MT138ED 216-PIN LQFP TRAY	
CA52	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		IC12	11P5654A-E	IC CHIP DRIVER	1P5654AB-TF 28 SSOPH-375B REEL	
CB11	HQCK101JBA	C CHIP CERA	50V CH 100PF J 1608		IC13	1KA4558D	IC OP AMP	KA4558D(8 SOP)	
CB12	HQCK101JBA	C CHIP CERA	50V CH 100PF J 1608		IC15	1GLT5160LQ	IC CHIP SDRAM	GLT5160L	
CB13	HCBK102KBA	C CHIP CERA	50V XTR 1000PF K 1608		IC16	1MX29LV80Q	IC CHIP FLASH ROM	MX29LV800ATTC-70 48 PIN TSOP TRAY	
CB14	HCFH104ZBA	C CHIP CERA	25V Y5V 0.1MF Z 1608		IC17	124LC08BTC	IC CHIP EEPROM	24LC08BT-I/SN 8K 8 PIN SOIC REEL	
CB15	HQCK101JBA	C CHIP CERA	50V CH 100PF J 1608		IC18	1BD5229G-B	IC CHIP RESET	BD5229G-2R 2.9V 5 PIN SSOP5 REEL	
CB16	HCBK102KBA	C CHIP CERA	50V XTR 1000PF K 1608		LA11	HLC100K02A	L CHIP COIL	10UJ MLF 2012	
CC11	HQCK391JBA	C CHIP CERA	50V CH 390PF J 1608		LA12	HLC100K02A	L CHIP COIL	10UJ MLF 2012	
CC12	HQCK391JBA	C CHIP CERA	50V CH 390PF J 1608		LP11	HLX1210001	BEAD CHIP	TB201209Z121	

ELECTRICAL PARTSLIST									
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LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK	LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK
LP12	HLX1210001	BEAD CHIP	TB201209Z121		RA49	HRFS103JBA	R CHIP	1/16 10K OHM J 1608	
LP13	HLX1210001	BEAD CHIP	TB201209Z121		RA50	HRFS103JBA	R CHIP	1/16 10K OHM J 1608	
LP14	HLX1210001	BEAD CHIP	TB201209Z121		RA51	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
LP15	HLX1210001	BEAD CHIP	TB201209Z121		RA52	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
LP16	HLX1210001	BEAD CHIP	TB201209Z121		RA53	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
LP17	HLX1210001	BEAD CHIP	TB201209Z121		RA54	HRFS561JBA	R CHIP	1/16 560 OHM J 1608	
LP18	HLX1210001	BEAD CHIP	TB201209Z121		RA55	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
LP19	HLX1210001	BEAD CHIP	TB201209Z121		RA56	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
LP20	HLX1210001	BEAD CHIP	TB201209Z121		RA57	HRFS104JBA	R CHIP	1/16 100K OHM J 1608	
LP21	HLX1210001	BEAD CHIP	TB201209Z121		RA58	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
LP22	HLX1210001	BEAD CHIP	TB201209Z121		RA59	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
LP23	HLX1210001	BEAD CHIP	TB201209Z121		RA61	HRFS754JBA	R CHIP	1/16 750K OHM J 1608	
LP24	HLX1210001	BEAD CHIP	TB201209Z121		RA62	HRFS104JBA	R CHIP	1/16 100K OHM J 1608	
LP25	HLX1210001	BEAD CHIP	TB201209Z121		RA63	HRFS153JBA	R CHIP	1/16 15K OHM J 1608	
QA11	T2SB1132-B	TR CHIP	2SB1132 R MTP3 T100		RA64	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
QA12	T2SB1132-B	TR CHIP	2SB1132 R MTP3 T100		RB11	HRFS330JBA	R CHIP	1/16 33 OHM J 1608	
QA13	TBSS138 B	FET	BSS138 CHIP TYPE		RB12	HRFS330JBA	R CHIP	1/16 33 OHM J 1608	
QA14	TBSS138 B	FET	BSS138 CHIP TYPE		RB13	HRFS330JBA	R CHIP	1/16 33 OHM J 1608	
QA15	TKTC4075YB	TR CHIP	KTC 4075 60V 0.15A USM		RB14	HRFS330JBA	R CHIP	1/16 33 OHM J 1608	
QC11	TKTA1298Y-	TR CHIP	KTA1298Y		RB15	HRFS330JBA	R CHIP	1/16 33 OHM J 1608	
QC12	TKTA1298Y-	TR CHIP	KTA1298Y		RB21	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
QC13	TKTN2222AB	TR CHIP	KTN2222AS SOT-23		RB23	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
QC14	TKTN2222AB	TR CHIP	KTN2222AS SOT-23		RB25	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
RA3	HRFS103JBA	R CHIP	1/16 10K OHM J 1608		RB27	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
RA11	HRFS479JBA	R CHIP	1/16 4.7 OHM J 1608		RB31	HRFS750JBA	R CHIP	1/16 75 OHM J 1608	
RA12	HRFS479JBA	R CHIP	1/16 4.7 OHM J 1608		RB33	HRFS750JBA	R CHIP	1/16 75 OHM J 1608	
RA14	HRFS910JBA	R CHIP	1/16 91 OHM J 1608		RB34	HRFS750JBA	R CHIP	1/16 75 OHM J 1608	
RA15	HRFS910JBA	R CHIP	1/16 91 OHM J 1608		RB35	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RA16	HRFS104JBA	R CHIP	1/16 100K OHM J 1608		RB36	HRFS273JBA	R CHIP	1/16 27K OHM J 1608	
RA17	HRFS103JBA	R CHIP	1/16 10K OHM J 1608		RB37	HRFS103JBA	R CHIP	1/16 10K OHM J 1608	
RA18	HRFS103JBA	R CHIP	1/16 10K OHM J 1608		RB38	HRFS512JBA	R CHIP	1/16 5.1K OHM J 1608	
RA19	HRFS104JBA	R CHIP	1/16 100K OHM J 1608		RB39	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	
RA20	HRFS000-BA	R CHIP	1/16 0 OHM 1608		RB40	HRFS273JBA	R CHIP	1/16 27K OHM J 1608	
RA21	HRFS684JBA	R CHIP	1/16 680K OHM J 1608		RB41	HRFS103JBA	R CHIP	1/16 10K OHM J 1608	
RA22	HRFS000-BA	R CHIP	1/16 0 OHM 1608		RB42	HRFS512JBA	R CHIP	1/16 5.1K OHM J 1608	
RA23	HRFS154JBA	R CHIP	1/16 150K OHM J 1608		RB43	HRFS103JBA	R CHIP	1/16 10K OHM J 1608	
RA24	HRFS154JBA	R CHIP	1/16 150K OHM J 1608		RC11	HRFS471JBA	R CHIP	1/16 470 OHM J 1608	
RA26	HRFS109JBA	R CHIP	1/161.0 OHM J 1608		RC12	HRFS471JBA	R CHIP	1/16 470 OHM J 1608	
RA27	HRFS684JBA	R CHIP	1/16 680K OHM J 1608		RC13	HRFS220JBA	R CHIP	1/16W 22 OHM J 1608	
RA30	HRFS203JBA	R CHIP	1/16 20K OHM J 1608		RC14	HRFS391JBA	R CHIP	1/16 390 OHM J 1608	
RA31	HRFS183JBA	R CHIP	1/16 18K OHM J 1608		RC15	HRFS220JBA	R CHIP	1/16W 22 OHM J 1608	
RA32	HRFS153JBA	R CHIP	1/16 15K OHM J 1608		RC16	HRFS391JBA	R CHIP	1/16 390 OHM J 1608	
RA33	HRFS103JBA	R CHIP	1/16 10K OHM J 1608		RM11	HRTS8E330J	R CHIP ARRAY	1/16 8P 33 OHM 3216	
RA34	HRFS103JBA	R CHIP	1/16 10K OHM J 1608		RM12	HRFS330JBA	R CHIP	1/16 33 OHM J 1608	
RA35	HRFS103JBA	R CHIP	1/16 10K OHM J 1608		RM13	HRFS330JBA	R CHIP	1/16 33 OHM J 1608	
RA36	HRFS000-BA	R CHIP	1/16 0 OHM 1608		RM14	HRFS330JBA	R CHIP	1/16 33 OHM J 1608	
RA37	HRFS203JBA	R CHIP	1/16 20K OHM J 1608		RM15	HRFS103JBA	R CHIP	1/16 10K OHM J 1608	
RA38	HRFS203JBA	R CHIP	1/16 20K OHM J 1608		RM16	HRFS103JBA	R CHIP	1/16 10K OHM J 1608	
RA39	HRFS103JBA	R CHIP	1/16 10K OHM J 1608		RM17	HRFS681JBA	R CHIP	1/16 680 OHM J 1608	
RA40	HRFS109JBA	R CHIP	1/161.0 OHM J 1608		RM18	HRFS681JBA	R CHIP	1/16 680 OHM J 1608	
RA41	HRFS109JBA	R CHIP	1/161.0 OHM J 1608		RP11	HRFS000-BA	R CHIP	1/16 0 OHM 1608	
RA42	HRFS109JBA	R CHIP	1/161.0 OHM J 1608		RP12	HRFS689JBA	R CHIP	1/16 6.8 OHM J 1608	
RA43	HRFS109JBA	R CHIP	1/161.0 OHM J 1608		RP14	HRFS102JBA	R CHIP	1/16 1K OHM J 1608	
RA44	HRFS203JBA	R CHIP	1/16 20K OHM J 1608		RP15	HRFS201JBA	R CHIP	1/16 200 OHM J 1608	
RA45	HRFS103JBA	R CHIP	1/16 10K OHM J 1608		RP16	HRFS472JBA	R CHIP	1/16 4.7K OHM J 1608	

ELECTRICAL PARTSLIST

LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK	LOC	PARTS_CODE	PARTS_NAME	PARTS_DESCR	REMARK
YA11	5XJ27R00SE	CRYSTAL QUARTZ SMD	HC49S-S 27.000MHZ 20PF 30PPM		P803	97P885X206	CONN AS	10H-10S 60MM	
CE11	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		Q801	TKSC5021FR	TR	KSC5021F-R	
CE12	CEXE0J221S	C ELECTRO	6.3V RSA 220MF 6.3X7		R806	RS02F473JS	R M-OXIDE FILM	2W 47K OHM J SMALL	
CE13	CEXE0J221S	C ELECTRO	6.3V RSA 220MF 6.3X7		T801	57M8282450	TRANS SMPS	TSWAVE4.0N	
CE14	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		VA801	DTVR10471-	VARIATOR	TVR10471	
CE15	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		C805	CEXF1H479A	C ELECTRO	50V RSM 4.7MF 4X7	
CE16	CEXE0J221S	C ELECTRO	6.3V RSA 220MF 6.3X7		C806	CBXB3D221K	C CERA SEMI	2KV BL(N) 220PF K (T)	
CE17	CEXE0J221S	C ELECTRO	6.3V RSA 220MF 6.3X7		C807	CMXL2G333K	C MYLAR	400V MEU 0.033MF K	
CE18	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7		C808	CMXM2A393J	C MYLAR	100V 0.039MF J (TP)	
CE19	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		C809	CMXM2A472J	C MYLAR	100V 4700PF J (TP)	
CE20	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7		C810	CMXM2A473J	C MYLAR	100V 0.047MF J (TP)	
CE21	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		C824	CEXK1H470L	C ELECTRO	50V 47MF KXL	
CE22	CEXF1C101A	C ELECTRO	16V RSM 100MF (6.3X7) TP		C828	CMXL1J104K	C MYLAR	MEU 63V 0.1MF K	
CE25	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		F801	5FWPS2022L	FUSE	WIDE TL 250V 2A CASE	
CE26	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		IC802	1KA431AZ	IC REGULATOR	KA431AZ 1% TO-92	
CE27	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		Q802	TZTC3203Y-	TR	KTC3203Y (2120Y)	
CE28	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		D802	DHER108S	DIODE	HER108S A-405 TYPE	
CE29	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		D803	DZN4003 -	DIODE	1N4003	
CE30	CEXF1C470A	C ELECTRO	16V RSM 47MF (5X7) TP		D804	DZN4148 -	DIODE	1N4148 AUTO 52MM	
CE31	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7		D805	DZUZ3R0BSB	DIODE ZENER	UZ-3.0BSB(3.01-3.22V)	
CE32	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7		D806	DZN4004 -	DIODE	1N4004(AUTO)	
CE33	CEXE0J221S	C ELECTRO	6.3V RSA 220MF 6.3X7		D807	DZN4004 -	DIODE	1N4004(AUTO)	
CE34	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7		D808	DZN4004 -	DIODE	1N4004(AUTO)	
CE35	CEXF1A221V	C ELECTRO	10V RSS 220MF		D809	DZN4004 -	DIODE	1N4004(AUTO)	
CE36	CEXF1C100A	C ELECTRO	16V RSM 10MF 5X7		D824	DZ1F3E	DIODE FR	1F3E	
Z008	PVPWMSN769	PCB POWER MANUAL AS	DCSD85D1N-PS		D828	DZGDZP18B-	DIODE ZENER	GDZP18B1	
C801	CL2EE3104M	C LINE ACROSS	AC 275V 0.1MF M PCX2 335M		L803	858010607A	WIRE COPPER	0.6X52MM TAPING	
C802	CH1CEE332M	C CERA AC	2.5KV 3300PF M DE AC250V		L804	858010607A	WIRE COPPER	0.6X52MM TAPING	
C803	CH1TFE332M	C CERA AC	4.0KV 3300PF M AD AC250V		L805	5PB13857	COIL BEAD	BI3857(AXIAL)	
C804	CEXF2E680V	C ELECTRO	250V RSS 68MF 16X25(SG)		R801	RC-2Z339KP	R CARBON COMP	1/2 3.3M OHM K	
C821	CEXK1C102L	C ELECTRO	16V 1000UF KXL (10X20)		R803	RD-4Z104JS	R CARBON FILM	1/4 100K OHM J SMALL	
C822	CEXK1C102L	C ELECTRO	16V 1000UF KXL (10X20)		R804	RD-4Z104JS	R CARBON FILM	1/4 100K OHM J SMALL	
C825	CEXK1C681L	C ELECTRO	16V 680UF KXL		R805	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
C826	CEXK1C102L	C ELECTRO	16V 1000UF KXL (10X20)		R807	RD-2Z820JS	R CARBON FILM	1/2 82 OHM J SMALL	
D821	D31DQ03L-F	DIODE SCHOTTKY	31DQ03L-FC5		R808	RD-2Z560JS	R CARBON FILM	1/2 56 OHM J SMALL	
D822	DS2L20U F	DIODE	S2L20U 4004 P15		R809	RD-AZ681J-	R CARBON FILM	1/6 680 OHM J	
D825	DS2L20U F	DIODE	S2L20U 4004 P15		R821	RD-AZ470J-	R CARBON FILM	1/6 47 OHM J	
D826	D31DQ03L-F	DIODE SCHOTTKY	31DQ03L-FC5		R823	RN-AZ132F-	R METAL FILM	1/6 1.3K OHM F	
IC801	1LTV817MDW	IC PHOTO COUPLER	LVT-817M-DW		R824	RD-AZ470J-	R CARBON FILM	1/6 47 OHM J	
L802	5PLF2055	FILTER LINE	LF-2055		R825	RN-AZ182F-	R METAL FILM	1/6 1.8K OHM F	
P801	97P62Y04X4	CONN WAFER	YW396 4P NC						



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PRINTED DATE : JAN.2005